

Volume

#

R0446

BOOK A-446

C.

FIELD NOTES

OF THE SURVEY OF THE

Resurvey of the East Boundary and subdivision,and Survey of the Subdivision ofT. 8 S., R. 2 W.and theRetracement of the old Fort Crittenden MilitaryReserve Boundary throughT. 8 S., R. 2 W.Of the Salt Lake Base and Meridian,In the State of Utah.

EXECUTED BY

Jos. C. Thoma, U. S. Cadastral Engineer,

In the capacity of U.S. Surveyor, under instructions dated October 18, 1916,
issued by the United States Surveyor General to govern surveys included in
Group No. 59, which were approved by the Commissioner of the General Land
Office, November 24, 1916. Assignment Instructions dated June
19, 1917. Supplemental Assignment Instructions dated May 9, 1920.

Survey commenced — October 29, 1917.

Survey completed May 27, 1920.

A Plat Notes
 F.B.I. F.B.I.
 Computations
 F.B.I.
 Comparing
 C Plat Notes
 K.F. K.F.B.

BOOK A-446

INDEX DIAGRAM.

Township Eight South, Range Two West.

6	5	4	3	2	1			
7	8	9	10	11	23	12	4	5
18	17	16	15	14	22	13	4	6
19	20	21	22	19	23	20	34	5
30	29	28	16	17	31	13	14	7
31	33	33	15	25	12	10	12	8
			34	27	26	12	28	
				30	35	10	11	
						36		

Old Fort Crittenden Military Reserve Boundary
from Page 37 to 45, incl.

2A

BOOK A-446

4-679 b

INDEX DIAGRAM.

Township 8 S., Range 2 W.

6	5	4	3	2	1	
7	8	9	10	11	25	12
18	17	16	15	14	24	13
19	20	21	22	21	23	24
30	29	28	20	27	29	16 15
31	33	33	37	30	34	14 13
			41	32	35	36

6-4817

Notes of retracement of Old Fort Cuttenden
Military Reservation pages 44-45

T. 8 S., R. 2 W.

DATE DIAGRAM

Fort Crittenden Military Reserve Boundary, May 19-27, 1920.

Survey commenced October 29, 1917 and executed with Buff
and Buff light mountain transit No. 9218, equipt with

Smith solar attachment and full vertical circle. The horizontal limb is provided with two double verniers, placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs, and vertical circle.

The instrument was approved for use in this survey by

the Assistant Supervisor of Surveys for Utah, in
assignment instructions dated June 19, 1917.

examined the adjustments of the transit and found them correct, then, to test the solar apparatus by comparing

T. 8 S., R. 2 W.

chains

its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

October 29, 1917: At my camp which is located near the $\frac{1}{2}$ sec. cor. for sec. 25, on the W. bdy. of said sec., in approximate latitude $40^{\circ} 05' N.$, longitude $112^{\circ} 02' W.$, at 4h. 59m.a.m.l.m.t., I observe Polaris at western elongation and mark a point in the line by a nail driven in a stake approximately 10 chs. N. of my station. I lay off the azimuth of Polaris, $1^{\circ} 29'$ to the east, and mark a point thus determined by another nail in a stake approximately 10 chs. N. of my station.

At 8h. a. m. apparent time, I set off $40^{\circ} 05'$ on the lat. arc; $13^{\circ} 21' S.$, on the decl. arc; and determine a meridian with the solar; this meridian coincides with the meridian as determined by observations on Polaris.

At the cor. of secs. 21, 22, 27 and 28, I set off $13^{\circ} 26' 30'' S.$, on the decl. arc; and at apparent noon obs. the sun on the meridian; the resulting lat. is $40^{\circ} 06'$.

At my camp, at 4h. p. m. apparent time, I set off $40^{\circ} 05'$ on the lat. arc; $13^{\circ} 28' S.$, on the decl. arc; and determine a meridian with the solar; this meridian also coincides with the meridian determined by observations on Polaris.

The solar apparatus by a.m. and p.m. observations defines positions for meridians that agree with the meridian determined by observations on Polaris; I therefore conclude that the solar is in good adjustment. The instrument was frequently tested during the progress of the survey and kept in good adjustment throughout.

A 5-chain Lallie steel tape was used in making all measurements, together with a clinometer for determining slope angles. The tape was tested at frequent intervals, comparison being made with a standard tape,

W. S. S., S. C. T. 80 YARD CHAIN T. 8 S., R. 2 W. TWO POINTS

- chains one chain long, kept and used for that purpose only.
- 4.00 S. E. to Mahingoe trail end to intersection
of S. bdy. sec. 6, T. 8 S., R. 1 W., which
is an iron post, 3 ins. in dia., 24 ins. above ground,
loosely set, and marked and witnessed as described by
the surveyor general.
- I build a large mound of stone around cor.
Thence
proceed of following course
East, on retrace line along S. bdy. sec. 6, T. 8 S.,
R. 1 W.
- Ascend over rolling land through dense sage, shadscale,
and yellow top undergrowth.
- Spur, projects SE., 10 ft. above sec. cor.; descend
gradually.
- Old road, bears NE. and SW.
- Draw, drains SE., 100 ft. below spur; ascend gradually.
- Ridge, bears NW. and SE., 80 ft. above draw; descend.
- Fall 2 lks. N. of the closing cor. of secs. 7 and 12,
T. 8 S., R. 1 and 2 W., which is an iron post, 3 ins.
in dia., 12 ins. above ground, firmly set, and marked,
and witnessed as described by the surveyor general.
- This cor. is 140 ft. below ridge.
- The course of this line is therefore S. 89° 58' E., and
the distance is 42.35 chs.
- Land, rolling.
- Soil, heavy clay and gravel and limestone boulders.
- Undergrowth, black sage, yellow brush, white sage and
shadscale.
- No timber.
- General eastern exposure. Limestone formation. Good
grazing.

RESTRACEMENT OF THE EAST BOUNDARY OF T.8 S., R.2 W.

- chains**
- RETRACMENT OF THE EAST BOUNDARY OF T.8 S., R.2 W.
- From the closing cor. of secs. 7 and 12, T.8 S., R.2 W.
- 1 and 2 W.
- South, on retracement line bet. secs. 7 and 12.
- 43.31 Fall 9 lks. W. of the old $\frac{1}{4}$ sec. cor. bet. secs. 7 and 12 which is an iron post, 1 in. in dia., 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
- This cor. is subsequently changed to an angle point.
- The true course of this $\frac{1}{2}$ mile is therefore S.0°08'E., and the distance is 43.31 chs.
- Continue on same line with continuous measurements.
- 83.17 Fall 2 lks. E. of the cor. of secs. 12 and 13, T.8 S., R.2 W., which is an iron post, 3 ins. in dia., 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
- The true course of this $\frac{1}{2}$ mile is therefore S.0°10'W., and the distance is 39.86 chs.
- This cor. is subsequently changed to an angle point.
- From the cor. of secs. 12 and 13.
- South, on retracement line bet. secs. 13 and 18.
- 39.88 Intersect the $\frac{1}{4}$ sec. cor. for sec. 13, T.8 S., R.2 W., which is an iron post, 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
- This cor. is subsequently changed to an angle point.
- The true course of this $\frac{1}{2}$ mile is therefore South, and the distance is 39.88 chs.
- Continue on same line with continuous measurements,
- 79.77 Intersect the cor. of secs. 13 and 24, T.8 S., R.2 W., which is an iron post, 3 ins. in dia., 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
- This cor. is subsequently changed to an angle point.
- The true course of this $\frac{1}{2}$ mile is therefore South,

RETRACEMENT OF THE EAST BOUNDARY OF T. 8 S., R. 2 W.
S. 1. E. 1. S. T. TO MACKENZIE FARM 40 CHAINS

chains	and the distance is 39.89 chs.	and the distance is 39.89 chs.
40.05	From the cor. of secs. 13 and 24. South, on retracement line bet. secs. 19 and 24.	From the cor. of secs. 13 and 24. South, on retracement line bet. secs. 19 and 24.
80.02	Fall 2 lks. W. of the $\frac{1}{2}$ sec. cor., secs. 19 and 24, which is an iron post, 1 in. in dia., 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.	Fall 2 lks. W. of the $\frac{1}{2}$ sec. cor., secs. 19 and 24, which is an iron post, 1 in. in dia., 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
7.00	Continue on same line with continuous measurements. Fall 3 lks. W. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, 3 ins. in dia., 12 ins. above ground, firmly set, and marked and witnessed as des- cribed by the surveyor general.	Continue on same line with continuous measurements. Fall 3 lks. W. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, 3 ins. in dia., 12 ins. above ground, firmly set, and marked and witnessed as des- cribed by the surveyor general.
24.41	The true course of this $\frac{1}{2}$ mile is therefore S.0°02'E., and the distance is 40.05 chs.	The true course of this $\frac{1}{2}$ mile is therefore S.0°01'E., and the distance is 39.97 chs.
<hr/>		
RESURVEY OF EAST BOUNDARY OF T. 8 S., R. 2 W.		
From the closing cor. of secs. 7 and 12, T. 8 S., R. 2 W.,		
1 and 2 W., on the S. bdy. of sec. 6,		
S.0°08'E., on resurvey line bet. secs. 7 and 12.		
Ascend over rolling land through dense shadscale under- growth.		
Draw, drains NE., 20 ft. below sec. cor.; ascend gradually.		
Subsequently,		
Set an iron post, 3 ft. long, 1 in. in dia., 24 ins.		
in the ground for $\frac{1}{2}$ sec. cor. sec. 12, T. 8 S., R. 2 W.,		
with brass cap marked		
<hr/>		
1917		
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.		
S. 1. E. 1. S. T. 40 CHAINS		

U.S.G.S., U.S. G.R. & M.L.D. TEAM UNIT CO. SURVEY
RESURVEY OF EAST BOUNDARY OF T.8 S., R.2 W.

- chains ✓
 43.31 The old $\frac{1}{4}$ sec. cor. for sec. 12 heretofore described.
 I change the marks on this post to read for an angle point.
 Thence
 43 Draw, drains E., 130 ft. below spur; descend gradually S.0°10'W., with continuous measurement.
 57.30 Spur, projects SE., 330 ft. above draw.; descend gradually.
 64.51 The cor. for secs. 12 and 13, T.8 S.,R.2 W.; for description of same see notes of line bet. secs. 12 and 13.
 71.60 Draw, drains E., 130 ft. below spur; gradually ascend.
 78.20 Spur, projects E., 20 ft. above draw; descend gradually.
 80.08 The closing cor. of secs. 7 and 18, T. 8 S.,R.1 W.; which is an iron post, 2 ins. in dia., 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
 83.17 The cor. of secs. 12 and 13, T.8 S.,R.2 W. I change the marks on this cor. to read for an angle point.
 Land, rolling mountainous.
 Soil, light shallow gray clay and gravel, covered with limestone boulders.
 Undergrowth, white and black sage and yellow top, and shadscale.
 No timber.
 General eastern exposure. Limestone formation. Good grazing.
 From the angle point.
 South, on resurvey bet. secs. 13 and 18.
 Descend over rolling land through sagebrush and shadscale undergrowth.
 14.10 Draw, drains E., 140 ft. below spur; ascend.
 17.20 Spur, projects E., 20 ft. above draw; descend gradually.
 21.17 Set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground for $\frac{1}{4}$ sec. cor. E. bdy. sec. 13, T.8 S., R.2 W., with brass cap marked

RESURVEY OF THE EAST BOUNDARY OF T.8 S., R.2 W.

chains			
	Very uneven ground; 10 ft. above draw, 10 ft. below cor. 1S13		
	1917		
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.		
39.88	The $\frac{1}{4}$ sec. cor. originally for sec. 13; now an angle point.		
	Continue south with continuous measurement.		
55.10	Road, bears NE. and SW.		
61.00	The cor. of secs. 13 and 24. For description of same see line bet. secs. 13 and 24, T.8 S., R.2 W.		
61.10	Road, bears N. 10° E. and S. 10° W.		
76.75	The closing cor. of secs. 18 and 19, T.8 S., R.1 W., which is an iron post, 2 ins. in dia., 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.		
79.77	The cor. of secs. 13 and 24; now an angle point. Cor. stands 230 ft. below spur.		
	Land, N. $\frac{1}{2}$ mile, rolling mountainous; S. $\frac{1}{2}$ mile, gently rolling.		
	Soil, light gray clay and gravel; shallow and covered with limestone boulders.		
	Undergrowth, sage, rabbit brush and shadscale.		
	No timber.		
	General southeastern exposure. Limestone formation.		
	Good grazing.		
	From the angle point to spur, 10 ft. above draw, and S. $0^{\circ}02' E.$, on resurvey bet. secs. 19 and 24.		
	Ascend over gently rolling land through dense sagebrush undergrowth.		
5.00	Top of ascent, bears NE. and SW., 10 ft. above angle point; descend gradually.		
11.20	Draw, drains NE., 10 ft. below top of ascent; ascend gradually.		
13.70	Spur, projects NE., 20 ft. above draw; descend gradually.		

RESURVEY OF EAST BOUNDARY OF T.8 S., R.2 W.

chains

- 18.70 Draw, drains NE., 10 ft. below spur; ascend gradually.
 21.60 Road, bears NE. and SW.
 36.70 Ridge, bears NE. and SW., 140 ft. above draw; descend gradually.
 40.05 The $\frac{1}{4}$ sec. cor. for secs. 19 and 24 heretofore described.
 Thence

S.0°01'E., with continuous measurement.

- 41.90 Draw, drains E., 40 ft. below ridge; ascend gradually.
 45.00 Spur, projects E., 20 ft. above draw; descend gradually.
 58.70 Draw, drains NE., 50 ft. below spur; ascend gradually.
 60.00 Spur, projects E., 10 ft. above draw; descend gradually.
 68.60 Draw, drains NE., 14 ft. below spur; ascend gradually.
 80.02 The cor. of secs. 19, 24, 25 and 30.
 Land, rolling.

Soil, shallow light gray clay and gravel covered with limestone boulders.

Undergrowth, black and white sage, yellow top and shadscale.

No timber.

General western exposure. Limestone formation. Good grazing.

From the cor. of secs. 19, 24, 25 and 30

South, on a random line bet. secs. 25 and 30 and 31 and 36, setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs. and at 159.46 chs. fall 14 lks. E. of the point for the cor. of Tps. 8 and 9 S., Rs. 1 and 2 W. For establishment of this point see notes of T.9 S., R.2 W. The course of this line is therefore S.0°03'W., and the proportionate distance for each mile is 79.73 chs.

Thence from the cor. of secs. 19, 24, 25 and 30.

S.0°03'W., on resurvey line bet. secs. 25 and 30.

Descend over rolling land through dense sagebrush undergrowth.

C.W. SEYON RESURVEY OF THE EAST BOUNDARY OF T.8 S., R.2 W.

chains					
4.40	Ridge, bears S. and NW., 10 ft. above sec. cor.; descend gradually.				an incline
10.30	Road, bears NW. and E.				
11.80	Road, bears SW. and E.				
14.80	Head of draw, drains SW., 30 ft. below ridge; ascend gradually.				
19.10	Spur, projects SW., 20 ft. above head of draw; descend gradually.				
33.50	Road, bears NW. and SE.				General
39.86 $\frac{1}{2}$	Proportionate measurement.				
	Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground on solid rock and in a large mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$.				
	S25 | S30				
	1917				
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. on drift boulders on drift gravel south (Boulders) 50.60				
50.40	Wash, 20 lks. wide, 5 ft. deep, drains NE., 70 ft. below spur;				
53.20	Road, bears NE. and SW.				
79.73	Prop orthonate measurement.				
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 25,30,31 and 36, with brass cap marked T8S.				
	T8S				
	S25 | S30				
	S36 | S31				
	1917				
	Dig pits, 18 x 18 x 12 ins. in each sec., $5\frac{1}{2}$ ft. distant from cor.				
	Land, rolling.				
30.4	Soil, shallow light gray clay and gravel. Shallow Undergrowth, sagebrush, black sage and shadscale. No timber.				
	Southern exposure. Limestone formation. Good grazing.				

RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chains	description
	From the cor. of secs. 1,2,35 and 36 on the S. bdy. of the tp., which is an iron post, 2 ins. in dia., 12 ins. above ground, firmly set, and witnessed by a mound of stone W. of cor.
	For the establishment of this cor. see notes of T.9 S., R.2 W.
	Thence
40.00	North, on retracement line bet. secs. 35 and 36. After diligent search find no evidence of the old $\frac{1}{4}$ sec. cor. Set temp. point.
80.00	After diligent search find no evidence of the cor. of secs. 25,26,35 and 36. Set temp. point.

	From the cor. of secs. 25,30,31 and 36 on the E. bdy. of the tp.
	West, on retracement line bet. secs. 25 and 36.
40.02	(Record) After diligent search find no evidence of the $\frac{1}{4}$ sec. cor. Set temp. point.
80.04	(Record) After diligent search find no evidence of the cor. of secs. 25,26,35 and 36. Set temp. point.
	From this temp. point the temp. point left on line bet. secs. 35 and 36 bears North, 19 lks. distant. I restore the cor. of secs. 25 and 36 midway bet. the two temp. points, and, at said point,
	Set an iron post, 3 ft. long, 2 ins. in dia., 20 ins. in the ground on solid rock and in a large mound of stone for cor. of secs. 25 and 36, with brass cap marked
	T8S S25 S36 R2W 1917
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
	The course of the line bet. secs. 25 and 36 is therefore N.89°56'W., and the distance is 80.04 chs.

RE-SURVEY OF SUBDIVISION OF T. 8 S., R. 2 W.

chains	The course of the line bet. secs. 35 and 36 is therefore South and the distance is 79.91 chs. measured off From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the tp. 36 has 18.08, 68 rods 20 less and runs North, on resurvey line bet. secs. 35 and 36. Descend over mountainous land through sagebrush under- growth, no timber, sagebrush, black griffon raven 1.90 Road, from Mosida to Cedar Valley, through Chimney Rock pass, bears NW. and SE. 2.90 Draw, drains NE., 15 ft. below sec. cor.; ascend. 5.60 From this point the shaft on the Wanless Mine, bears E. approximate 1/16 chs. distant. 9.90 Knoll, 100 ft. above draw; descend abruptly. 15.70 Road, Mosida to Cedar Valley, through Chimney Rock Pass, bears NE. and SW. to Cedar to Arrow's head. 19.10 Draw, drains E., 80 ft. below knoll; ascend gradually. 19.70 Spur, projects SE., 60 ft. above draw; descend gradually. 29.20 Draw, drains E., 60 ft. below spur; ascend gradually. 39.95 $\frac{1}{2}$ Proportionate measurement. Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and in a large mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ Sect. 35, cor. of secs. 35 and 36, proportionate measured 1917 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. and 100 ft. east of iron post no. just 44.10 Spur, projects E., 120 ft. above draw; descend gradually. 57.80 Draw, drains E., 120 ft. below spur; ascend gradually. 61.50 Spur, projects E., 10 ft. above draw; descend gradually. 79.91 The cor. of secs. 25 and 36. Land, rolling. Gravel on surface, no soil. Soil, shallow, light gray clay and gravel covered with limestone boulders. Undergrowth, sagebrush, yellow top, black sage and
--------	--

RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chains	
	shadscale. No timber. Eastern exposure. Limestone formation. Good grazing.

	From the cor. of secs. 25,30,31 and 36 on the E. bdy. of the tp., at a point about half way between sec. 25 and N. 89° 56' W., on resurvey line bet. secs. 25 and 36
	Over rolling land through scattering short undergrowth,
21.90	Road, bears NW. and SE.
40.02	Proportionate measurement. Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked
	S25 $\frac{1}{4}$ S36 1917
	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
65.90	Road, bears N. and S.
80.04	The cor. of secs. 25 and 36. Land, rolling. Soil, shallow light gray clay and gravel.
	No timber. Undergrowth, bud sage, white sage, yellow top and shadscale.
	Eastern exposure. Limestone formation. Good grazing.

	From the cor. of secs. 25 and 36. West, on retracement line bet. secs. 26 and 35.
36.00	After diligent search, find no evidence of the old witness cor. to sec. 25. North, on retracement line along W. bdy. of sec. 25.
	From the cor. of secs. 25 and 36. North, on retracement line bet. secs. 23, 24, 25 and 26.
40.00	After diligent search, find no evidence of the old $\frac{1}{4}$ sec. cor. Leave temp. point.
67.00	After diligent search, find no evidence of the witness cor. to secs. 23, 24, 25 and 26.

RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chains

79.68

Leave temp. point for cor. of secs. 24 and 25.

From the cor. of secs. 19, 24, 25 and 30 on the E. bdy. of the tp. heretofore described.

West, on retracement line bet. secs. 24 and 25.

40.00

After diligent search find no evidence of the old $\frac{1}{4}$ sec. cor.; leave temp. point.

79.98

Fall 4 lks. N. of the temp. point for cor. of secs. 24 and 25 left on line on the W. bdy. of sec. 25.

At point of intersection,

Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and in large mound of stone for cor. of secs. 24 and 25, with brass cap marked

T8S
S24S25
R2W

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

The course of the line bet. secs. 24 and 25 is therefore west and the distance is 79.98 chs.

The course of the line on the W. bdy. of sec. 25 is therefore north, and the distance is 79.72 chs.

From the cor. of secs. 25 and 36.

North, on true line along W. bdy. sec. 25.

Descend gradually over rolling land through dense sage-brush and yellow top undergrowth.

15.00

Swale, drains E., 30 ft. below sec. cor.; ascend gradually.

17.14

The cor. of secs. 26 and 35 is subsequently set at this point. For description see line bet. secs. 26 and 35.

25.00

Spur, projects E.; 10 ft. above swale; descend gradually.

39.20

Road, from Utah Valley to Cedar Valley, bears E. and W.

39.80

Wash, 20 lks. wide, 8 ft. deep, in bottom of draw, 30 ft. below spur; drains E.; ascend.

39.86

Point for $\frac{1}{4}$ sec. cor. W. bdy. sec. 25 falls in wash.

Impracticable to set cor.

RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chains 40.50	Set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground for the witness $\frac{1}{4}$ sec. cor. for sec. 25, with brass cap marked	WC 1917	1S25
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.		
56.80	Spur, projects SE., 210 ft. above wash; descend gradually.		
57.47	Subsequently, Set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground for $\frac{1}{4}$ sec. cor. E. bdy. sec. 26, with brass cap marked		1S26
		1917	
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.		
68.90	Draw, drains SE., 70 ft. below spur; ascend abruptly.		
79.10	Ridge, bears NE. and SW., 160 ft. above draw; descend.		
79.72	The cor. of secs. 24 and 25. Land, rolling. Soil, light gray clay and gravel, shallow, and covered with limestone boulders. Undergrowth, sagebrush, yellow top, bud and white sage and shadscale. No timber. General southern exposure. Limestone formation. Good grazing.		
5.00	From the cor. of secs. 19, 24, 25 and 30 on the E. bdy. West, on true line bet. secs. 24 and 25. Gradually ascend over rolling land through sagebrush, yellow top and shadscale undergrowth. Top of ascent, bears NW. and SE.; 20 ft. above sec. cor., descend gradually.		

U. S. RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chains	
15.00	Foot of descent, bears N. and SE., enter gently rolling valley land. 600 500
25.00	Small swale, in bottom of valley, 6 ft. below top of descent, drains S.; ascend gradually.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked S24
	<u>1</u> <u>S25</u> 1917 ✓
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. distant.
41.00	Road, bears NE. and SW.
79.90	Ridge, bears NE. and SW.
79.98	The cor. for secs. 24 and 25, 370 ft. above swale. Land, rolling.
	Soil, shallow light gray clay and gravel, covered with limestone boulders..
	Undergrowth, sagebrush, yellow top and shadscale.
	No timber.
	General southern exposure. Limestone formation. Good grazing.
<hr/>	
	From the cor. of secs. 3,4,33 and 34 on the S. bdy. of the tp., which is an iron post, 2 ins. in dia., 12 ins. above ground, firmly set.
	For establishment of this cor. see notes of T.9 S., R.2 W.
	Thence
	North, on resurvey line bet. secs. 33 and 34.
	Descend gradually over rolling valley land.
.18	Road, bears E. and W.
.47	Barbed wire fence, bears E. and W.
39.80	Road, bears NW. and SE.
40.08	Fall 9 lks. E. of the $\frac{1}{4}$ sec. cor. which is a limestone 10 x 8 x 4 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	Alongside of old cor.
	Set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chains

 $\frac{1}{4}$

chains

S33 | S34

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

The true course of this $\frac{1}{2}$ mile is therefore N. $0^{\circ}08'W.$, and the distance is 40.08 chs.

I continue north on same line with continuous measurement.

79.78

Barbed wire fence, bears E. and W.

79.90

Road, bears E. and W.

80.29

Fall 27 lks. E. of the cor. of secs. 27, 28, 33 and 34, which is a limestone, 5 x 5 x 5 ins. above ground, firmly set, marked as described by the surveyor general; alongside of which

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 27, 28, 33 and 34, with brass cap marked

T8S | R2W

S28 | S27

S33 | S34

1917

Dig pits, 18 x 18 x 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.

Land, rolling. ~~dry soil no irrigation~~

Soil, shallow light gray clay and gravel covered with limestone rock. ~~soil high in decomposed~~

Undergrowth, shadscale, white sage and grass.

General western exposure. Limestone formation. Good grazing.

The true course of the last $\frac{1}{2}$ mile is therefore N. $0^{\circ}15'$ W. and the distance is 40.21 chs.

From the cor. of secs. 27, 28, 33 and 34.

North, on resurvey line bet. secs. 27 and 28.

Gradually descend over gently rolling valley through dense shadscale undergrowth.

40.21

Fall 6 lks. E. of the old $\frac{1}{2}$ sec. cor. which is a limestone, 4 x 6 x 6 ins. above ground, firmly set, marked

U. S. RESURVEY OF SUBDIVISION OF T. 8 S., R. 2 W.

chains

Set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

Alongside old cor.,

Set an iron post, 3 ft. long, 1 in. in dia., 24 ins.

in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S28 | S27

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

The true course of this $\frac{1}{2}$ mile is therefore N. $0^{\circ}05'W.$, and the distance is 40.21 chs.

Continue north on same line with continuous measurement.

73.70

Wash, 10 lks. wide, 4 ft. deep, 90 ft. below sec. cor.,

which is a quartzite stone, 6 x 10 x 12 ins. above

ground, firmly set, and marked as described by the

surveyor general.

Alongside old cor.,

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins.

in the ground for cor. of secs. 21, 22, 27 and 28, with

brass cap marked

T8S | R2W

S28 | S27

1917

Dig pits, 18 x 18 x 12 ins., in each sec., $5\frac{1}{2}$ ft. distant.

The true course of this $\frac{1}{2}$ mile is therefore N. $0^{\circ}22'W.$,

and the distance is 40.22 chs.

Land, rolling, to 100 feet. S. E. side of hill.

Soil, shallow, light gray, clay and gravel.

Undergrowth, shadscale, bud sage and grass.

No timber.

Western exposure, Limestone formation. Good grazing.

From the cor. of secs. 21, 22, 27 and 28, and in

RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chains	notes
	East, resurveying bet. secs. 22 and 27.
2.10	Wash, 10 lks. wide, 4 ft. deep, drains NW.
25.00	Old road, bears N. and S.
35.00	Old road, bears NW. and SE.
40.28	Fall 7 lks. S. of the $\frac{1}{2}$ sec. cor. which is a limestone, 4 x 6 x 6 ins. above ground, firmly set, and marked as described by the surveyor general.
	Alongside old cor., Set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked S22
45.00	Set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked S27, elev. 40.28 chs. 1917
51.10	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. This cor. stands at foot of ridge. The true course of this $\frac{1}{2}$ mile is therefore N.89°54'E. and the distance is 40.28 chs.
53.20	Continue east on same line with continuous measurement.
56.84	Spur, 230 ft. above wash, projects S.10°W.; descend gradually.
60.30	Draw, drains S., 5 ft. below spur; ascend gradually.
76.90	Old road, bears NE. and SW. 10 ft. x 6 ft. wide.
77.10	Head of draw, drains SW., 105 ft. below spur; gradually ascend.
80.55	Fall 14 lks. S. of the cor. of secs. 22, 23, 26 and 27, which is a limestone, 5 x 8 x 10 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	Alongside of cor., set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 22, 23, 26 and 27, with brass cap marked

RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chains

Sec. 22	Range 42	quad. 49	T8S	R2W	No prairie in valley
			S22	S23	

S27 S26

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

The true course of this $\frac{1}{2}$ mile is therefore N. $89^{\circ}54' E.$, N.E. by N., near to true S. of sec. cor. 40.27 chs.

Land, W. $\frac{1}{2}$ mile rolling; E. $\frac{1}{2}$ mile mountainous.

Soil, shallow clay and gravel covered with limestone boulders.

Undergrowth, yellow top, bud sage, white sage and shadscale.

No timber.

General southwestern exposure. Limestone formation. Good grazing.

From the cor. of secs. 22, 23, 26 and 27.

North, on resurvey line bet. secs. 22 and 23.

Descend over rolling mountainous land through dense sagebrush undergrowth.

Head of draw, drains SW., 35 ft. below sec. cor.; gradually descend.

Ridge, bears E. and W., 35 ft. above draw; descend gradually.

Draw, drains NE., 145 ft. below ridge; ascend gradually.

Spur, projects NE., 20 ft. above draw; gradually descend.

Fall 15 lks. W. of the $\frac{1}{2}$ sec. cor. which is a limestone 6 x 12 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

Alongside old cor.,

Set an iron post, 3 ft. long, 1 in. in dia., 10 ins.

in the ground on solid rock and in a large mound of stone for $\frac{1}{2}$ sec. cor., with brass cap marked

 $\frac{1}{2}$

S22 S23

1917

.00.08

RE-SURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chains	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. The true course of this $\frac{1}{2}$ mile is therefore N.0°13'E., and the distance is 40.40 chs. Continue north on same line with continuous measurement.	SSA TSC
80.49	140 ft. below spur. Fall 13 lks. E. of the cor. of secs. 14, 15, 22 and 23, which is a limestone, 6 x 6 x 10 ins. above ground, firmly set, and marked as described by the surveyor general. Alongside of old cor. Set an iron post, 3 ft. long, 2 ins. in 24 ins. in the ground for cor. of secs. 14, 15, 22 and 23, with brass cap marked.	T8S | R2W S15 | S14 S22 | S23 1917
30.00	Dig pits, 18x18 x 12 ins., in each sec., $5\frac{1}{2}$ ft. dist. The course of this $\frac{1}{2}$ mile is therefore N.0°24'W., and the distance is 40.09 chs. Land, rolling mountainous in the southern portion; gently rolling valley land in the northern portion. Soil, shallow light gray clay and gravel, covered with limestone boulders in the southern portion; light red sandy loam, 2 to 4 ft. deep on clay sub-soil in the northern portion. Undergrowth, sagebrush and yellow top. No timber. General northern exposure. Limestone formation. Good grazing. From the cor. of secs. 14, 15, 22 and 23. East, on resurvey line bet. secs. 14 and 23. Descend gradually over gently rolling valley land, through sagebrush undergrowth. Small swale, 10 ft. below sec. cor., drains N.; ascend gradually.	SSA TSC VIEI

RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chains

40.36

Alongside road, approximately 100 ft. from cor. of sec. 13 and 24, fall 21 lbs. S. of the $\frac{1}{4}$ sec. cor. which is limestone, 10 x 6 x 10 ins. above ground, firmly set, and marked with iron post, 3 ft. long, 1 in. in dia., 10 ins. high, with brass cap marked S14. Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. high, with brass cap marked S23, 1917, in the ground on solid rock and in a large mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

S14

 $\frac{1}{4}$ sec. cor. S23, 1917

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

The true course of this $\frac{1}{8}$ mile is therefore N. $89^{\circ}42' E.$, and the distance is 40.36 chs.

42.50

Point on S. side of knoll, 40 ft. above swale; descend gradually.

75.70

Road, Utah Valley to Cedar Valley, bears NW. and SE.

80.79

Intersect the cor. of secs. 13, 14, 23 and 24 which is a limestone, 6 x 10 x 3 ins. above ground, firmly set, and marked as described by the surveyor general.

Alongside old cor.,

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. high, with brass cap marked S14, 1917, in the ground for cor. of secs. 13 and 14, with brass cap marked

T8S | R2W

S14 | S13

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. (1.905 to 1.920 ft. above old cor. and 1.917 to 1.932 ft. above old cor.)

The true course of this $\frac{1}{8}$ mile is therefore S. $89^{\circ}42' E.$, and the distance is 40.43 chs.

Land, gently rolling.

Soil, light red sandy loam, more than 2 ft. deep, on

light red clay and gravel sub-soil.

Undergrowth, sagebrush, yellow top and shadscale.

No timber.

RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chains

Ridge

General northwestern exposure. Good grazing.

2.82

From the cor. of secs. 13, 14, 23 and 24.

South, on retrace ment line bet. secs. 23 and 24.

Fall 7 lks. E. of the old closing cor. on the Fort

Crittenden Military Reserve Boundary; the course of
this line is therefore S.1° 25' W. and dist. 2.82 chs.

From the cor. of secs. 13 and 14.

North, on resurvey line bet. secs. 13 and 14.

Descend gradually over gently rolling land through
sagebrush, yellow top and shadscale undergrowth.

23.50

Road, bears N.5°E. and SW.

40.26

Fall 62 lks. W. of the $\frac{1}{4}$ sec. cor. which is a limestone,
12 x 6 x 3 ins. above ground, firmly set, and marked
as described by the surveyor general.

Alongside of old cor.,

Set an iron post, 3 ft. long, 1 in. in dia., 24 ins.
in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$

S14 S13

1917

Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft.
distant.The course of this $\frac{1}{4}$ mile is therefore N.0° 53'E., and
the distance is 40.26 chs.

Continue north on same line with continuous measurement.

47.70

Recross road, bears NW. and SE.

79.50

Fall 146 lks. W. of the cor. of secs. 11, 12, 13 and 14,
which is a limestone, 4 x 8 x 6 ins., above ground,
firmly set, marked as described by the surveyor general.

Alongside of old cor.,

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins.
in the ground for cor. of secs. 11, 12, 13 and 14, with
brass cap marked

W.S.R. 1917 SO. HOMESTEAD NO. 1000000
RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

- chains soil
- | | | |
|-----|-----|----------------------------|
| T8S | R2W | . 1917 |
| S11 | S12 | Dig pits 18 x 18 x 12 ins. |
| S14 | S13 | 1917 |
- Dig pits, 18 x 18 x 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.
The course of this $\frac{1}{2}$ mile is therefore N. $1^{\circ}14'E.$, and
the distance is 39.25 chs.
- Land, gently rolling.
- Soil, light red sandy loam. 2 to 4 ft. deep, on light
red clay and gravel sub-soil.
- Undergrowth, shadscale and sagebrush and yellow top.
- No timber.
- General western exposure. Good grazing.
-
- From the cor. of secs. 11, 12, 13 and 14.
- North, on resurvey line bet. secs. 11 and 12.
- Descend gradually over gently rolling valley land through
sagebrush, shadscale and yellow top undergrowth.
- 19.40 Road, bears NE. and SW.
- 32.00 Road, bears NE. and SW.
- 40.24 Fall 14 lks. W. of the $\frac{1}{2}$ sec. cor. which is a limestone,
3 x 6 x 6 ins. above ground, firmly set, and marked
as described by the surveyor general.
- Alongside of old cor.,
Set an iron post, 3 ft. long, 1 in. in dia., 24 ins.
in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked
S11 | S12
- 1918
- Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft.
distant.
- The course of this $\frac{1}{2}$ mile is therefore N. $0^{\circ}12'E.$, and
the distance is 40.24 chs.
- Continue north, on same line with continuous measurement.
- 70.60 Old road, bears NE. and SW. can no longer be followed.
- 80.53 Fall 4 lks. W. of the cor. of secs. 1, 2, 11 and 12 which
is a quartzite stone, 5 x 4 x 6 ins. above ground,
firmly set, and marked as described by the surveyor

RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chain.

general.

Alongside of old cor.,

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 1, 2, 11 and 12, with brass cap marked

T8S	R2W
S2	S1
S11	S12
	1917

Dig pits, 18 x 18 x 12 ins., in each sec., $5\frac{1}{2}$ ft. dist. The course of this $\frac{1}{2}$ mile is therefore N. $0^{\circ}09'W.$, and the distance is 40.29 chs.

Land, rolling valley.

Soil, heavy clay and gravel.

Undergrowth, shadscale, sagebrush and yellow top.

No timber.

General northwestern exposure. Good grazing.

From the cor. of secs. 1, 2, 11 and 12.

East, on resurvey line bet. secs. 1 and 12.

Over rolling valley, through dense sagebrush.

4.80 Old road, bears NE. and SW.

40.62 Fall 6 lks. N. of the $\frac{1}{4}$ sec. cor. which is a limestone, 20 x 10 x 8 ins. above ground, firmly set, and marked as described by the surveyor general.

Alongside old cor.,

Set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

Sl
S12
1917

Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.

The course of this $\frac{1}{2}$ mile is therefore S. $89^{\circ}55'E.$, and the distance is 40.62 chs.

Continue east on same line with continuous measurement.

53.70 Old road, bears NE. and SW.

75.17 Fall 20 lks. N. of the old closing cor. of secs. 1 and 12 on the Fort Crittenden Military Reserve Boundary,

RESURVEY OF SIBDIVISION OF T. 8 S., R. 2 W.

Chains.

which is a limestone, 18x10x8 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.

The course of this Half mile is therefore S. $89^{\circ} 44'$ E., and the dist. is 29.55 chs.

Thence from the closing cor.

East, on true line.

- 10.07 Intersect the W. bdy. of sec. 6, T. 8 S., R. 1 W., 15.66 chs., N. $0^{\circ} 02'$ E., from the SW. cor. of sec. 6, heretofore described. At point of intersection
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground for the cor. of secs. 1 and 12, with brass
cap mkd.

T 8 S
S 1
S 12
R 2 W

1917

Dig pits, 24x24x12 ins., NW. and SW. of post, 6 ft. dist.
Land, rolling.

Soil, light gray clay and gravel.

Undergrowth, sagebrush and yellowtop.

No timber.

Western exposure. Limestone formation. Good grazing.

From the cor. of secs. 27, 28, 33 and 34.

East, on resurvey line bet. secs. 27 and 34.

Asc. gradually over gently rolling land through sagebrush undergrowth.

- 3.10 Frame cabin, 8x10 ft., bears S. 30° lks. dist.

- 13.40 Wash, 10 lks. wide, 4 ft. deep, drains N.

- 15.00 Enter plowed field, bears N. and S.

- 22.80 Leave plowed field, bears N. and S.

- 36.20 Utah Power & Light Co's. high tension line, bears NE. and SW.

- 36.30 Cross-roads; one bears NW. and SE., the other N. and S.

RESURVEY OF SUBDIVISION OF T. 8 S., R. 2 W.

Chains.	
40.34	Fall $3\frac{1}{2}$ lks. N. of the $\frac{1}{4}$ sec. cor., which is A limestone, 4x6x6 ins. above ground, firmly set and properly marked. Alongside of which Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd. $\frac{1}{4} \text{ S } 27$ $\frac{1}{4} \text{ S } 34$.
	1917 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. The course of this half mile is therefore S. $89^\circ 57'$ E., and the dist. is 40.34 chs. From the $\frac{1}{4}$ sec. cor.; East, with continuous measurement.
41.74	Road, bears N. 79° E., and S. 70° W.
70.35	Crest of ridge bet. Utah and Cedar Valleys, bears N. 20° E. and S. 20° W.
74.18	Fall 2 lks. S. of the closing cor. for secs. 27 and 34 on the Fort Crittenden Military Reserve Boundary, which is A limestone, 4x12x6 ins. above ground, firmly set; mkd. as described by the surveyor general. I deface marks on this stone and mark same for angle point. The course of this half mile is therefore N. $89^\circ 58'$ E., and the dist. is 33.84 chs. From the angle point East, on true line bet. secs. 27 and 34, with continuous measurement.
80.34	An easting of 40.00 chs. from the $\frac{1}{4}$ sec. cor. bet. secs. 27 and 34. Set temp. point for cor. of secs. 26 and 27. Note: The cor. of secs. 26 and 27 is subsequently set 35 lks. E. of the temp. cor. For description of same, see line bet. secs. 26 and 27. Land, rolling. Soil, sandy and clay loams covered with limestone boulders.

RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chains

Undergrowth, black and bud sage, yellow top and shadscale.
No timber.

Western exposure. Limestone formation. Good grazing.

From the cor. of secs. 22, 23, 26 and 27.

South, on resurvey line bet. secs. 26 and 27.

Ascend over rolling hills through sagebrush undergrowth.

2.00 Ridge, 5 ft. above sec. cor., bears E. and W.; descend gradually.

6.30 Draw, drains W., 25 ft. below ridge; ascend gradually.

12.00 Spur, projects W., 5 ft. above draw; descend gradually.

39.57 Fall 25 lks. W. of the $\frac{1}{4}$ sec. cor. which is a limestone
• 4 x 8 x 8 ins. above ground, firmly set, and marked
and witnessed as described by the surveyor general.

Alongside of old cor.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins.

in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S27 S26

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

The true course of this $\frac{1}{2}$ mile is therefore S.0°21'E.,
and the distance is 39.57 chs.

Continue south on same line with continuous measurement.

44.60 Swale, drains W., 120 ft. below spur; ascend gradually.

49.00 Ridge, bears NE. and SW., 30 ft. above swale; descend gradually.

59.40 Road, bears NW. and SE.

60.05 Fall 42 lks. W. of the old closing cor. on the Fort
Crittenden Military Reserve Boundary, which is a lime-
stone, 10 x 3 x 8 ins. above ground, marked as described
by the surveyor general.

I change the marks on this cor. for an angle point.

The true course of this line is therefore S.0°29'E.,

and the distance is 20.48 chs.

RESURVEY OF SUBDIVISION OF T.8 S., R.2 W.

chains	From the angle point cor., I continue south with continuous measurement.
73.40	Road, bears NE. and SW.
80.60	Fall 35 lks. E. of the temp. point for cor. of secs. 26 and 27 left on line bet. secs. 27 and 34. At point of intersection,
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 26 and 27, with brass cap marked
	T8S | R2W S27 | S26
	1917
	Dig pits, 24 x 24 x 12 ins., in each sec. 6 ft. distant.
	This cor. is established 90 ft. below ridge.
	Land, rolling.
	Soil, light gray clay and gravel, shallow, covered with limestone boulders.
	Undergrowth, sagebrush, yellow top and shadscale.
	No timber.
	General southwestern exposure. Good grazing.

SURVEY OF SUBDIVISION OF T.8 S., R.2 W.

From the cor. of sec. 26 and 27.	East, on true line along the S. bdy. of sec. 26.
25.70	Descend gradually over rolling land through sagebrush and shadscale undergrowth.
26.00	Wash, in bottom of draw, 5 lks. wide, 2 ft. deep, drains NE., ascend gradually.
40.00	Road, bears NE. and SW.
	Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground on solid rock and in a large mound of stone for $\frac{1}{2}$ sec. cor. sec. 26, with brass cap marked

S26

1917

SUBDIVISION OF T.8 S., R.2 W.

chains	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. on ridge, 100 ft. above draw; ascend gradually.
	Continue over gently rolling land.
40.10	Draw, drains N.; ascend gradually.
44.37	Subsequently the point for the cor. of secs. 34 and 35. For description see notes of line bet. secs. 34 and 35.
49.00	Spur, projects N.; 10 ft. above draw; descend gradually.
52.10	Draw, 10 ft. below spur, drains N.; ascend gradually.
62.00	Ridge, bears NE. and SW., 15 ft. above draw; descend gradually.
71.30	Draw, drains NE., 70 ft. below ridge; ascend gradually.
74.90	Spur, projects NE., 10 ft. above draw; descend gradually.
84.42	Subsequently, set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground for the $\frac{1}{4}$ sec. cor. of sec. 35, with brass cap marked
	1S35 1917
94.40	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. on ridge, 100 ft. above draw; ascend gradually.
99.40	Draw, drains NE., 90 ft. below spur, ascend gradually.
124.47	Intersect W. bdy. of sec. 25, 17.14 chs. North of the cor. of secs. 25 and 36. At point of intersection, set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 26 and 35, with brass cap marked
	T8S 1917 S26
	S35
	R2W 1917
	Ridge, bears NE. and SW., 20 ft. above draw; descend gradually.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. on ridge, 100 ft. above draw; ascend gradually.
	Cor. is established 110 ft. below ridge.
	Land, rolling.
	Soil, light gray clay and gravel, shallow and covered

SUBDIVISION OF T.8 S., R.2 W.

chains	with limestone boulders. Grade To follow a ridge Undergrowth, sagebrush, yellow top and shadscale. No timber.
	General northern exposure. Good grazing.
	From the SW. cor. of secs. 35, T.8 S., R.2 W. on the S. bdy. of the tp. which is an iron post, 2 ins. in dia., extending 12 ins. above ground. For full description, and the method used in establishment of this cor. see notes of T.9 S., R.2 W.
	North, on true line along W. bdy. of sec. 35.
	Ascend over mountainous land through sagebrush and shadscale undergrowth.
17.10	The closing cor. of secs. 33 and 34, Tps. 8 and 9 S., R.2 W.; for description of establishment see notes of T.9 S., R.2 W.
32.00	Spur, projects SW., 80 ft. above sec. cor.; descend gradually.
34.00	Draw, drains SW., 10 ft. below spur; ascend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground for $\frac{1}{4}$ sec. cor. sec. 35, with brass cap marked
	1917
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
45.00	Spur, projects W., 70 ft. above draw; descend.
48.00	Draw, drains SW., 10 ft. below spur; ascend gradually.
49.90	Start abrupt ascent, bears E. and W.;
54.80	Ridge, bears E. and W., 150 ft. above draw; descend gradually. Saddle in ridge, bears E. about 2 chs. dist
57.13	Subsequently, Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground on solid rock and in a large mound of stone for $\frac{1}{4}$ sec. cor. sec. 34, with brass cap marked

SUBDIVISION OF T.8 S., R.2 W.

chains		$\frac{1}{4}S34$	V
		1917	
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.		
59.10	Start abrupt descent, bears E. and W.		
61.30	Head of draw, drains NE., 120 ft. below ridge; ascend gradually.		
63.90	Spur, projects E., 20 ft. above draw, descend gradually.		
73.80	Draw, drains E., 170 ft. below spur; ascend gradually.		
75.50	Spur, projects E., 20 ft. above draw; descend gradually.		
78.60	Recross draw, drains NW., 20 ft. below spur; ascend gradually.		
81.80	Spur, projects W., 10 ft. above draw; descend.		
97.16	Intersect S. bdy. of sec. 26, 4.37 chs. east of the $\frac{1}{4}$ sec. cor. S. bdy. sec. 26.		
	At point of intersection,		
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 34 and 35, with brass cap marked		
	T8S | R2W S34 | S35		V
	1917		
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.		
10.	Cor. established 100 ft. below spur. from S. cut.		
	Land, rolling mountainous.		
	Soil, shallow light gray clay and gravel, covered with limestone boulders.		
	Undergrowth, sagebrush, yellow top and shadscale.		
	No timber.		
	Southern exposure in the southern portion, northern		
	exposure in the northern portion. Good grazing.		
	From the cor. of secs. 22, 23, 26 and 27.		
	East, on resurvey line bet. secs. 23 and 26.		
	Ascend over rolling mountainous land through sagebrush and undergrowth.		

SUBDIVISION OF T.8 S., R.2 W.

chains	directions
3.00	Spur, projects NW., 20 ft. above sec. cor.; descend gradually.
5.90	Draw, drains NW., 30 ft. below spur; ascend gradually.
23.26	Fall 13 lks. S. of the old closing cor. on the Fort Crittenden Military Reserve Boundary, which is a limestone 7 x 12 x 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general. I change the marks on this cor. to read for an angle point. The course of this line is therefore N.89°41'E., and the distance is 23.26 chs.
23.30	Ridge, bears N. and S., 20 ft. above draw; descend.
31.50	Draw, drains N., general drainage NE., 130 ft. below ridge; ascend abruptly.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and in a large mound of stone for $\frac{1}{4}$ sec. cor. secs. 23 and 26, with brass cap marked S23 to bottom of cor.
	$\frac{1}{4}$ S26 1917
	Raise a mound of stone, -2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
47.10	Spur, projects N., 160 ft. above draw; descend abruptly.
54.40	Draw, drains NE., 160 ft. below spur; ascend gradually.
60.40	Spur, projects N., 30 ft. above draw; descend gradually.
83.70	Road, bears N. and S.
104.60	Road, bears NE. and SW. and no drainage mentioned
106.50	Draw; drains NE., 290 ft. below spur; ascend gradually.
122.80	Spur, projects N., 20 ft. above draw; descend gradually.
124.81	Intersect W. bdy. sec. 24, 18.07 chs. North of the cor. of secs. 24 and 25. At point of intersection, Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 23 and 26, with brass

SUBDIVISION OF T. 8 S., R. 2 W.

Chains.

cap mkd.

T	8	S
S	23	
S	26	

R 2 W.

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Cor. established 10 ft. below spur.

Land, rolling mountainous.

Soil, shallow light gray clay and gravel, covered with limestone boulders.

Undergrowth, sagebrush; yellow top and shadscale.

No timber.

General southeastern exposure. Good grazing.

From the cor. of secs. 24 and 25.

North, on true line along the W. bdy. of sec. 24.

Desc. over mountainous land, through sagebrush, yellow top and shadscale undergrowth.

18.07 The cor. of secs. 23 and 26. For description of same see notes of line bet. secs. 23 and 26.

34.20 Draw, drains E. 270 ft. below ridge; asc. gradually.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for the $\frac{1}{4}$ sec. cor. sec. 24, with brass cap mkd.

1917

Dig pits, 18x18x12 ins., N. and S. of post., 3 ft. dist.

49.90 Road, bears NE. and SW.

52.40 Road, bears SE. and NW.

58.37 Subsequently removed old post and replaced by new. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 23, with brass cap mkd.

SUBDIVISION OF T. 8 S., R. 2 W.

Chains.

 $\frac{1}{4}$ S 23

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 98.66 Intersect the S. bdy. sec. 13, East, $4\frac{3}{4}$ chs. from the
 $\frac{1}{4}$ sec. cor. S. bdy. sec. 13, hereinafter described.
 At point of intersection,
 Set an iron post, 3 ft. long, 2 ins. diam., .8 ins. in
 the ground, on solid rock and in a large mound of stone
 for the cor. of secs. 23 and 24, with brass cap mkd.

S 23	S 24
T 8 S	R 2 W

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of
 cor. bdy. sec. 14, 280 ft. above draw.
 Cor. established 280 ft. above draw.
 Land, rolling mountainous.
 Soil, light gray clay and gravel, shallow and covered with
 limestone boulders.
 Undergrowth, sagebrush, yellow top and shadscale.
 No timber.
 General southern exposure. Limestone formation. Good
 grazing.

From the cor. of secs. 13 and 14.
 East, on resurvey line along the S. bdy. sec. 13.
 Asc. over rolling land, through sagebrush and shadscale
 undergrowth.

16.00 The closing cor. on the old Fort Crittenden Military
 Reserve Boundary, which is
 A limestone, $14 \times 12 \times 10$ ins. above ground, firmly set;
 marked as described by the surveyor general.
 East on true line,

21.00 Spur, projects SW., 210 ft. above sec. cor.; desc.
 gradually.

26.00 Draw, drains SW., 10 ft. below spur; asc. gradually.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in

SUBDIVISION OF T. 8 S., R. 2 W.

Chains.

the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., sec. 13, with brass cap mkd.

 $\frac{1}{4}$ S 13

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Cor. established on top of ridge bearing E. and NW., 110 ft. above draw; desc.

44.34 Point for the cor. of secs. 23 and 24. For description of same, see notes of the line bet. secs. 23 and 24.

54.70 Ravine, drains SE., 210 ft. below ridge; asc. abruptly.

67.00 Spur, projects SE., 130 ft. above ravine; desc. gradually.

80.00 Gulch, drains SE., 230 ft. below spur; asc. gradually.

82.50 Spur, projects SE., 5 ft. above gulch; desc. gradually.

84.13 Subsequently,

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor. for sec. 24, with brass cap mkd.

 $\frac{1}{4}$ S 24

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

117.40 Road in swale, bears NE. and SW., swale drains SE., 260 ft. below spur; asc. gradually.

119.20 Spur, projects SE., 10 ft. above swale; desc. gradually.

124.13 Intersect the E. bdy. of the twp., 18.77 chs. N. of the angle point, heretofore described. At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 13 and 24, with brass cap mkd.

T 8 S

S 13

S 24

R 2 W.

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

SUBDIVISION OF T. 8 S., R. 2 W.

Chains.

Land, rolling.

Soil, light gray clay and gravel; covered with limestone boulders.

Undergrowth, sagebrush, yellow top and shadscale.

No timber..

General southern exposure. Good grazing.

From the cor. of secs. 11, 12, 13 and 14.

East, on resurvey bet. secs. 12 and 13.

Desc. over rolling land, through dense sagebrush undergrowth.

40.36 Fall 23 lks. S. of the $\frac{1}{4}$ sec. cor., which is

A limestone, 4x6x4 ins. above ground, firmly set, mkd.
as described by the surveyor general. Along side of
which

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in
the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4} \text{ S } 12$
 $\text{S } 13$

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
The course of this half mile is therefore N. $89^\circ 40'$ E.,
and the dist. is 40.36 chs.

From the $\frac{1}{4}$ sec. cor.

East, on true line with continuous measurement.

48.87 The closing cor. on the old Fort Crittenden Military
Reserve Boundary, which is

A limestone, 8x4x10 ins. above ground, firmly set, marked
as described by the surveyor general.

Cor. established on top of ridge, bearing N. and S., 80 ft.
above sec. cor.; desc. gradually.

68.90 Draw, drains N., 90 ft. below ridge; asc. gradually.

115.50 Ridge, bears N. and S., 300 ft. above draw; desc. gradually.

122.72 Intersect the E. bdy. of the twp., N. $0^\circ 10'$ E., 18.66 chs.
from the angle point.

At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the

SUBDIVISION OF T. 8 S., R. 2 W.

Chains.

ground, on solid rock and in a large mound of stone for the cor. of secs. 12 and 13, with brass cap mkd.

T 8 S
S 12

S 13
R 2 W

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling.

Soil, light gray clay and gravel; shallow and covered with limestone boulders.

Undergrowth, sagebrush, yellow top and shadscale.

No timber.

General northwestern exposure except in the extreme eastern portion where the exposure is to the east.

Retracement of the Old Fort Crittenden Military

Reserve Boundary through T. 8 S.,

R 2 W.

Subsequent to the above survey of T. 8 S.; R. 2 W., I return to the field and retrace the old Fort Crittenden Military Reserve Boundary with Buff & Buff light mountain transit No. 9218. For description and approval of transit, see page one of these notes.

I examined the adjustments of the transit and found them correct, then, to test the solar apparatus by comparing its indications resulting from solar observations made during a. m. and p. m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

May 20, 1920, in approximate latitude $40^{\circ} 07'$ N., and longitude $111^{\circ} 58'$ W., which is near the $\frac{1}{4}$ sec. cor.

bet. secs. 9 and 16, T. 8 S., R. 1 W., I make a meridian altitude observation of the sun for latitude, observing the sun's upper limb with the telescope in reverse position, reversing the transit and observing the sun's lower limb.

RETRACEMENT OF THE OLD FORT CRITTENDEN MILITARY RESERVE
BOUNDARY THROUGH T. 8 S., R. 2 W.

Chains.

Apparent time of observation, noon = 12h 00m 00s
Mean observed altitude, = $69^{\circ} 55' 00''$
Reduced latitude, = $40^{\circ} 07' 6''$ N.

On the same date and at the same station, I make a meridian observation of the sun for apparent noon:

Watch time of observation, 12h 23m 00s
Watch fast of l. m. t., 26m 39s

On the same date and at the same station, at 7h 23.5m p. m., l. m. t., I make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, and mark a mean point in the line thus determined, on a peg driven firmly in the ground, 10 chs. N. Watch time of observation, mean of four readings = 7h 50m 10s.

May 21, I lay off the azimuth of Polaris, $48'$ to the east, and mark the meridian thus determined, by a tack in a peg driven firmly in the ground, 10 chs. N.

Cloudy weather and rain prevented work on this date.

May 22, At 8h 10m a. m., app. t., I set off $40^{\circ} 08'$ N. on the lat. arc; $20^{\circ} 25'$ N., on the decl. arc; and determine a meridian with the solar which I find to agree with the true meridian.

Cloudy weather and rain prevented further testing on this date.

May 23, At app. noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is $20^{\circ} 38'$ N., which agrees with the computed declination of the sun.

At 5h 0m p. m., app. t., with the lat. arc unchanged, I set off $20^{\circ} 40'$ N. on the decl. arc; and determine a meridian with the solar which I find to agree with the true meridian.

As all of the solar observations during the usual hours of solar work come within $1'$ of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

Retracement of Portion of South Boundary T.8 S.R.2 W.

Chains.

Unless otherwise specified all measurements are made with a five-chain Lallie steel tape and found correct by comparison with a Lufkin standard steel tape. The measurements are made on the slopes, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

Resurvey of a Portion of the South Edy. T.8 S.R.2 W.

From the cor. of secs. 3, 4, 33, and 34 Tps. 8 and 9 S., R. 2 W., which is an iron post, 2 ins. diam., 12 ins. above ground, firmly set, mkd. and witnessed as described by the surveyor general, East on retracement line along the S.bdy. of T. 8 S., R. 2 W. bet. secs. 3 and 34,

40.00 The $\frac{1}{4}$ sec.cor. for sec. 34, now to be destroyed.

40.27 Fall. 1 lk. N. of the $\frac{1}{4}$ sec.cor., which is a limestone 6 x 8 x 6 ins. above ground, firmly set, mkd. $\frac{1}{4}$ on N. face. No accessories. Alongside of which Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec.cor. sec. 34, with brass cap mkd.

$\frac{1}{4}$ S 34

1917

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. I destroy the AP on stone. The course of the line is therefore N. $89^{\circ} 59'$ W., and the dist. is 40.27 chs.

RETRACEMENT OF A PORTION OF THE OLD FORT CRITTENDEN MILITARY RESERVE BOUNDARY THROUGH T. 8 S., R. 2 W.

From the angle point bet. secs. 23 and 26, East 23.26

chs. from the corner of secs. 22, 23, 26, and 27,

the only of which is at the south end of the section and

RETRACEMENT OF A PORTION OF THE OLD FORT CRITTENDEN

MILITARY RESERVE BOUNDARY THROUGH T. 8 S., R. 2 W.

Chains. N. $19^{\circ} 30'$ E. on retracement line.
38.07 Fall 6 lks. to the left of the 81st mile cor., which is a limestone $16 \times 8 \times 14$ ins., firmly set in mound of stone, mkd. as described by the surveyor general.
The course of this line is therefore N. $19^{\circ} 35'$ E. and the dist. is 38.07 chs.

From the 81st mile cor.
N. $19^{\circ} 30'$ E. on retracement line along the 82d mile,
22.62 Fall 9 lks. to the left of the angle point, which is a limestone $10 \times 10 \times 6$ ins. above ground, firmly set, mkd. as described by the surveyor general.
The course of this line is therefore N. $19^{\circ} 44'$ E. and the dist. is 22.62 chs.

From the angle point,
N. 55° E. on retracement line,
17.70 Fall 2 lks. to the left of the half-mile cor., which is a limestone $1\frac{1}{2} \times 6 \times 8$ ins. above ground, firmly set mkd. as described by the surveyor general.
The course of this line is therefore N. $55^{\circ} 04'$ E. and the dist. is 17.70 chs.

From the half-mile cor.
N. 55° E. on retracement line,
14.70 Fall 10 lks. to the left of the angle cor., which is a limestone $14 \times 6 \times 6$ ins. above ground, firmly set; mkd. as described by the surveyor general.
The course of this line is therefore N. $55^{\circ} 23'$ E. and the dist. 14.70 chs.

From the angle cor.
N. $79^{\circ} 30'$ E. on retracement line,
10.48 Fall 6 lks. to the left of the closing cor. bet. secs. 23 and 24, which is a limestone $8 \times 6 \times 12$ ins. above ground, firmly set; mkd. as described by the surveyor general.
The course of this line is therefore N. $79^{\circ} 50'$ E., and

RETRACEMENT OF A PORTION OF THE OLD FORT CRITTENDEN
MILITARY RESERVE BOUNDARY THROUGH T. 8 S., R. 2 W.

Chains.

and the dist. is 10.48 chs.

From this closing cor. the old cor. of secs. 13, 14, 23 and 24, now the cor. of secs. 13 and 14 only, bears N. $1^{\circ} 25'$ E., 2.82 chs. dist.

From the closing cor.

N. $79^{\circ} 30'$ E., on retracement line.

15.65 Fall 5 lks. to the right of the 82nd mile cor., which is a limestone, 18x12x4 ins., firmly set in mound of stone, mkd. as described by the surveyor general.

The course of this line is therefore N. $79^{\circ} 19'$ E., and the dist. is 15.65 chs.

From the 82nd mile cor.

N. $79^{\circ} 30'$ E., on retracement line along the 83rd mile.

0.72 Fall 9 lks. to the left of the closing cor. on the old line bet. secs. 13 and 24; now bet. secs. 13 and 23, heretofore described.

The course of this line is therefore N. $86^{\circ} 38'$ E., and the dist. is 73 lks.

From the closing cor.

N. $79^{\circ} 30'$ E., on retracement line.

19.64 Fall 4 lks. to the right of the angle cor., which is a limestone, 16x12x12 ins., in mound of stone, mkd. as described by the surveyor general.

The course of this line is therefore N. $79^{\circ} 23'$ E., and the dist. is 19.64 chs.

From the angle cor.

N. $17^{\circ} 45'$ E., on retracement line

17.80 Fall 12 lks. to the left of the angle point, which is a limestone, 18x12x10 ins. firmly set in mound of stone, mkd. as described by the surveyor general.

The course of this line is therefore N. $18^{\circ} 08'$ E., and the dist. is 17.80 chs. and will be continued.

From the angle point

N. $17^{\circ} 10'$ W., on retracement line

RETRACEMENT OF A PORTION OF THE OLD FORT CRITTENDEN
MILITARY RESERVE BOUNDARY THROUGH T. 8 S., R. 2 W.

Chains.

- 2.34 Fall 2 lks. to the left of the $\frac{1}{2}$ mile cor., which is a limestone, 10x8x8 ins., firmly set in mound of stone, mkd. as described by the surveyor general. The course of this line is therefore N. $16^{\circ} 41'$ W., and the dist. is 2.34 chs.
From the $\frac{1}{2}$ mile cor. N. $17^{\circ} 10'$ W., on retracement line.
- 26.55 (Record dist.) After diligent search, find no evidence of the angle cor. Leave temp. point.
From the temp. point N. $13^{\circ} 30'$ E., on retracement line
- 11.81 (Record dist.) Fall S. $32^{\circ} 51'$ W., 39 lks. from the angle cor., which is a limestone, 18x10x10 ins. set in mound of stone, mkd. as described by the surveyor general. I establish the missing angle cor. by proportion bet. the $\frac{1}{2}$ mile cor. and the first above described angle cor.
From the $\frac{1}{2}$ mile cor. N. $16^{\circ} 43'$ W., on resurvey line.
- 26.73 (Proportional measurement.) Set a limestone 14x12x7 ins., 9 ins. in the ground, for the restored angle cor., mkd. / OMR on the W. face.
From the restored angle cor. N. $13^{\circ} 41'$ E., on resurvey line.
- 11.92 (Proportional measurement.) The angle cor. heretofore described.
From the angle cor. N. 39° E., on retracement line.
- 1.76 Intersect the 83rd mile cor., which is a limestone, 12x10x10 ins., set in mound of stone, mkd. as described by the surveyor general. The course of this line is therefore N. 39° E., and the dist. is 1.76 chs.

RETRACEMENT OF A PORTION OF THE OLD FORT CRITTENDEN
MILITARY RESERVE BOUNDARY THROUGH T. 8 S., R. 2 W.

- Chains. From the 83rd mile cor.
N. 39° E. on retracement line along the 84th mile.
- 21.89 Fall 6 lks. to the right of the angle cor., which is a limestone 12 x 12 x 12 ins., firmly set, mkd. as described by the surveyor-general.
The course of this line is therefore N. 38° 51' E. and the dist. is 21.89 chs.
From the angle cor.
N. 14° 45' E. on retracement line.
- 1.32 Intersect the closing cor. bet. secs. 12 and 13, heretofore described.
Continue same line with continuous measurement.
- 18.34 Intersect the half-mile cor., which is a limestone 8 x 12 x 10 ins. above ground, firmly set; marked as described by the surveyor general.
The course of this line is therefore N. 14° 45' E. and the dist. is 18.34 chs.
From the half-mile cor.
N. 14° 45' E. on retracement line.
- 40.00 Find no evidence of the 84th mile cor. Leave temp. point.
Continue same line with continuous measurement
N. 14° 45' E. on retracement line along the 85th mile.
- 65.77 Fall 32 lks. to the left of the closing cor. between Secs. 1 and 12, heretofore described; also an angle point.
The course of the line is, therefore N. 15° 02' E., and the dist. 65.77 chs.
From the closing cor.
N. 22° 20' E. on retracement line,
- 15.03 Fall 15 lks. to the right of the half-mile cor., which is a limestone 12 x 10 x 6 ins. firmly set in mound of stone, marked $\frac{1}{2}$ M OMR on the W. face.
The course of this line is therefore N. 21° 46' E., and the dist. 15.03 chs.
Continue same line with continuous measurement.

RETRACEMENT OF A PORTION OF THE OLD FORT CRITTENDEN
 MILITARY RESERVE BOUNDARY THROUGH T. 8 S., R. 2 W.

 Chains.
 26.59

Fall 5 lks. E. of the angle cor., which is a limestone
 8 x 10 x 4 ins. mkd. L OMR, firmly set alongside
 the closing cor. on line bet. Secs. 1 and 6 T. 8 S.,
 Rs. 1 and 2 W., which is a limestone 10 x 10 x 6 ins.
 firmly set, mkd. CC on the N. face; no other marks
 legible.

The course of this line is therefore N. $22^{\circ} 50'$ E.,
 and the dist. 11.54 chs.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Lines Designated	True Bearing	Dist. chs.	Latitudes.		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
Bet. Secs. 33 & 34	N. $0^{\circ}08'$ W.	40.08	40.08	.	.	.09
	N. $0^{\circ}15'$ W.	40.21	40.21	.	.	.18
Bet. Secs. 27 & 28	N. $0^{\circ}05'$ W.	40.21	40.21	.	.	.06
	N. $0^{\circ}22'$ W.	40.22	40.22	.	.	.26
Bet. Secs. 22 & 27	N. $89^{\circ}54'$ E.	80.55	.14	.	80.55	.
Bet. Secs. 22 & 23	N. $0^{\circ}13'$ E.	40.40	40.40	.	.15	.
	N. $0^{\circ}24'$ W.	40.09	40.09	.	.	.
Bet. Secs. 14 & 23	N. $89^{\circ}42'$ E.	40.36	.21	.	40.36	.28
	S. $89^{\circ}42'$ E.	40.43	.	.21	40.43	.
Bet. Secs. 13 & 14	N. $0^{\circ}53'$ E.	40.26	40.25	.	.62	.
	N. $1^{\circ}14'$ E.	39.25	39.24	.	.84	.
Bet. Secs. 11 & 12	N. $0^{\circ}12'$ E.	40.24	40.24	.	.14	.
	N. $0^{\circ}09'$ W.	40.29	40.29	.	.	.11
Bet. Secs. 1 & 12	S. $89^{\circ}55'$ E.	40.62	.	.06	40.62	.
	S. $89^{\circ}44'$ E.	29.55	.	.14	29.55	.
Bdy. Ft. Crittenden Military Reserve	N. $21^{\circ}46'$ E.	15.03	13.96	.	5.57	.
	N. $22^{\circ}50'$ E.	11.54	10.64	.	4.48	.
W. Bdy. Sec. 6	S. $0^{\circ}02'$ W.	40.29	.	40.29	.	.02
S. Bdy. Sec. 6	S. $89^{\circ}58'$ E.	42.35	.	.02	42.35	.
E. Bdy. T. 8 S. R. 2 W.	S. $0^{\circ}08'$ E.	43.31	.	43.31	.10	.
	S. $0^{\circ}10'$ W.	39.86	.	39.86	.	.12
	South	79.77	.	79.77	.	.
	S. $0^{\circ}02'$ E.	40.05	.	40.05	.02	.
	S. $0^{\circ}01'$ E.	39.97	.	39.97	.01	.
Bet. Secs. 25 & 36	S. $0^{\circ}03'$ W.	79.73	.	79.73	.	.07
Bet. Secs. 35 & 36	N. $89^{\circ}56'$ W.	80.04	.09	.	.	.04
S. Bdy. T. 8 S. R. 2 W.	South	79.91	.	79.91	.	.
	West	80.00	.	.	.	.00
	North	17.10	17.10	.	.	.
	West	84.38	.	.	.	.
Convergency	N. $89^{\circ}59'$ W.	40.27	.01	.	40.27	.07
					.17	.
Errors in lat. and dep.			443.38	443.32	285.96	285.88
			443.32		285.88	.
			.06		.08	.

GENERAL DESCRIPTION.

The land in the fraction of the township coming under this survey is generally rolling and hilly, following the divide between Utah and Cedar Valleys, and void of timber. The undergrowth consists of sagebrush, yellow top, shadscale, and greasewood along the draws; affording excellent sheep grazing, being less than ten miles from Utah Lake for stock water.

The soil is a light sandy loam, rocky and shallow on the ridges, and probably two to ten feet deep in the draws, and underlaid by limestone and conglomerate formation which outcrops in numerous places.

The Wanless Mine is located in Sec. 36, near the SW.cor. The improvements consist of an old frame shack nearly demolished, and a shaft approximately 8x8 ft. The decayed condition of the timbers of the shaft prevented measuring the depth. The mine has apparently been abandoned and I was unable to locate any one who could give information regarding the owner or claimant.

There is no water in this township, neither are there any settlers.

I noticed no indications of mineral or oil, except along the S. bdy. of the twp. in the limestone and quartzite belt where there is a possible indication of mineral.

Jos. C. Thoma
U. S. Cadastral Engineer.

Blank

Page

4-680

BOOK A-446

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Walter Byergo	Chainman.
Roy Chadwick	Chainman.
Carl Kroll	Flagman.
R. Mead	Cornerman.
James White	Axeman.
Melvin H. Lewis	Chainman.
Henry L. Buckley	Chainman.

G-2761

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Jos. C. Thoma, U. S. Cadastral Engineer, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah, bearing date of the 24th day of November, 1916, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Resurvey of the East Boundary and Subdivision, and survey of the Subdivision of T. 8 R. 2 W., and the Retracement of the old Fort Crittenden Military Reserve Boundary through T. 8 S., R. 2 W.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in and date diagram and on dates as shown on diagram the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Certified to at Salt Lake City, Utah, this 16th day of June, 1920.

Jos. C. Thoma
U. S. Cadastral Engineer.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 4, 1921.

The foregoing field notes of the survey of resurvey of the east boundary and subdivision and survey of the subdivision of T. 8 S., R. 2 W.; and the retracement of a portion of the old Fort Crittenden Military Reserve, through Township No. 8 South, Range No. 2 West of the Salt Lake Base and Meridian, Utah;

executed by Jos. C. Thoma, U. S. Cadastral Engineer

under his special instructions dated October 18, 1916, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

John H. Choate
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in

, has been correctly copied from the original notes on file in this office.

**Blank
Page**

**Blank
Page**

Surveyor General's Office
MAR 21 1921

BOOK A-446

B.

FIELD NOTES

OF THE SURVEY OF THE

A PORTION OF THE SUBDIVISION AND A PORTION OF THE

EAST BOUNDARY; THE RESURVEY OF A PORTION OF

THE SUBDIVISION AND A PORTION OF THE

EAST BOUNDARY OF T. 18 S.,

R. 5 W.

Of the Salt Lake Base and Meridian,

in the State of Utah.

EXECUTED BY

Jos. C. Thoma,

U. S. Cadastral Engineer,

In the capacity of U. S. Surveyor, under Special Instructions dated January 16, 1919

issued by the United States Surveyor General to govern surveys included in Group

No. 75, which were approved by the Commissioner of the General Land

Office, February 6, 1919, and Assignment Instructions dated July 10, 1919, 1920.

Survey commenced July 14, 1920, 1921

Survey completed July 23, 1920, 1921

Plotted
F.M.S. - Notes
K.F.B.
Intersections
F.M.S.
Compassing
FILE Notes
V.N.F. F.M.S.

BOOK A-446

INDEX DIAGRAM.

Township 18 South., Range 5 West.

6	5	4	3	2	1	13	9
7	8	9	10	14	12	10	8
18	17	16	15	14	5	7	2
19	20	21	22	23		24	
30	29	28	27	26		25	
31	32	33	34	35		36	

54A

BOOK A-446

4-679 b

INDEX DIAGRAM.

Township 18 S., Range 5 W.

6	5	4	3	2	1	63
7	8	9	10	11	12	64
16	17	18	19	19	18	65
19	20	21	22	23	24	
20	21	22	23	24	25	
21	22	23	24	25	26	

6-4917

DATE DIAGRAM.

	7/23/20	7/23/20
7/17-21/20	2	1
7/21/20	7/21-24/20	7/20-24/20
7/19-21/20	11	12
7/22-24/20	7/19-21/20	7/19-23/20
7/23/20	7/20-23/20	7/20-23/20

Survey commenced July 14, 1920, and executed with Buff & Buff solar transit No. 9218. The instrument is equiped with a full vertical circle and Smith solar attachment. All azimuth determinations are accomplished with the solar attachment except the special observations on Polaris upon which to test the solar apparatus as stated in the field notes of T. 17 S., R. 5 W., this Group. The survey of this fractional township was executed in conjunction with the survey of T. 17 S., R. 5 W., and the details of the establishment of a Polaris meridian, the preliminary, and final tests of the solar apparatus are fully set forth in the field notes of that township.

The instrument was approved for the use on this survey by the assistant supervisor of surveys for Utah, upon satisfactory field tests, in assignment instructions dated July 10, 1920.

Unless otherwise specified, all measurements are made with a Lallie steel tape, 5 chains in length, compared with a Lufkin standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

Resurvey of a Portion of the E. Bdy., T. 18 S., R. 5 W.

Chains.

From the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the twp., which is

A red sandstone, 24x18x6 ins., firmly set in a mound of stone, mkd. with 4 grooves on the S. and 2 grooves on the N. faces.

North, on resurvey line along the E. bdy. of the twp., bet. secs. 7 and 12.

Desc. gradually over rolling land, through scattering scrub cedar and pinon timber, dense sagebrush and rabbit brush.

3.90 Wash, 15 lks. wide, 5 ft. deep, drains SW.; asc.

11.60 Wood road, bears NE. and SW.

40.51 Fall 33 lks. W. of the $\frac{1}{4}$ sec. cor., which is
A quartzite, 8x6x6 ins. above ground, firmly set; mkd.
 $\frac{1}{4}$ on the W. face; alongside of which
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in
the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No trees within limits suitable for bearing trees.

The course of this line therefore is N. $0^{\circ} 28'$ E., and
the dist. is 40.51 chs.

For land description, see notes of the survey of the northern portion of this line.

Resurvey of Subdivision.

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the twp., which is

An iron post, 2 ins. diam., 12 ins., above ground, firmly set; mkd. and witnessed as described in the notes of the S. bdy. of T. 17 S., R. 5 W., this Group.

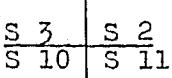
South, on retracement line bet. secs. 2 and 3.

Resurvey of Subdivision, T. 18 S., R. 5 W.

Chains.

- 40.35 After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.
Leave temp. point.
- 88.65 Fall 791 lks. E. of the cor. of secs. 2, 3, 10 and 11,
which is
A quartz, 6x6x10 ins. above ground, firmly set; mkd.
with 5 notches on the S., and 2 notches on the E.
edges; alongside of which
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for the cor. of secs. 2, 3, 10 and 11,
with brass cap mkd.

T. 18, S R 5 W



1920 from which

A cedar, 24 ins. diam., bears N. $52^{\circ} 30'$ E.,
95 lks. dist., mkd. T18S R5W S2 BT.

A cedar, 16 ins. diam., bears S. $83^{\circ} 30'$ E.,
73 lks. dist., mkd. T18S R5W S11 BT.

A cedar, 14 ins. diam., bears S. 45° W.,
52 lks. dist., mkd. T18S R5W S10 BT.

No other trees within limits suitable for bearing trees.

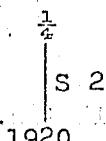
Dig pits, 18x18x12 ins. in each sec., 3 ft. dist.

N. $5^{\circ} 06'$ E., on resurvey line bet. secs. 2 and 3.

Asc. gradually over rolling land, through scattering
scrub cedar timber, dense sagebrush undergrowth.

25.10 Wood road, bears E. and W.

40.16 Subsequently, set an iron post, 3 ft. long, 1 in. diam.,
24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec.
2, with brass cap mkd.



Dig pits, 18x1x812 ins., N. and S. of post, 3 ft. dist.

No trees within limits suitable for bearing trees.

44.29 Proportional measurement. After diligent search, find no
evidence of the $\frac{1}{4}$ sec. cor.

Resurvey of Subdivision, T. 18 S., R. 5 W.

Chains.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in
the ground, for the $\frac{1}{4}$ sec. cor. for sec. 3, with
brass cap mkd.

$\frac{1}{4}$

S 3

1920

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.

No trees within limits suitable for bearing trees.

61.90 Wood road, bears E. and W.

71.50 Road, bears NW. and SE.

88.98 The cor. of secs. 2, 3, 3 $\frac{1}{4}$ and 35, on the N. bdy. of the
twp.

Land, rolling.

Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.

Timber, scattering scrub cedar.

Undergrowth, dense sagebrush.

General western exposure. Fair grazing.

From the cor. of secs. 2, 3, 10 and 11.

South, on resurvey line bet. secs. 10 and 11.

Over rolling land, through scattering scrub cedar timber,
dense sagebrush undergrowth.

39.90 Fall 1 $\frac{1}{4}$ lks. E. of the $\frac{1}{4}$ sec. cor., which is

A sandstone, 6x4x6 ins. above ground, firmly set; mkd.

$\frac{1}{4}$ on the W. face; alongside of which

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in
the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$

S 10 | S 11

1920

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.

No trees within limits suitable for bearing trees.

Leave scattering scrub cedar timber.

The course of this line therefore is S. $0^{\circ} 12'$ W., and
the dist. is 39.90 chs.

Resurvey of Subdivision, T. 18 S., R. 5 W.

Chains.

Continue same line with continuous measurement.

80.11 Fall 15 lks. W. of the cor. of secs. 10, 11, 14 and 15, which is

A limestone, broken, with one fragment firmly set under fence, with notches on two other fragments. At this point

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 10, 11, 14 and 15, with brass cap mkd.

T 18 S R 5 W

S 10	S 11
S 15	S 14

1920

Dig pits, 18x18x12 ins. in each sec., 3 ft. dist.

The course of this line therefore is IS. $0^{\circ} 25'$ E., and the dist. is 40.21 chs.

Land, rolling.

Soil, light sand, more than 2 ft. deep, on light clay subsoil.

Timber, scattering scrub cedar.

Undergrowth, dense sagebrush. Poor grazing.

From the cor. of secs. 10, 11, 14 and 15.

East, on resurvey line bet. secs. 11 and 14.

Over nearly level land, through dense sagebrush undergrowth.

40.46 Fall 56 lks. N. of the $\frac{1}{4}$ sec. cor., which is

A sandstone, 12x8x3 ins., firmly set; mkd. $\frac{1}{4}$ on the N. face; alongside of which

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

1920

Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.

From the $\frac{1}{4}$ sec. cor.

Resurvey of Subdivision, T. 18 S., R. 5 W.

Chains.

East, on resurvey line.

40.35 Fall 28 lks. N. of the cor. of secs. 11, 12, 13 and 14,
which is

A quartz, 18x8x4 ins., firmly set; mkd. with 4 notches
on the S. and 1 notch on the east edges; alongside
of which

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground; for the cor. of secs. 11, 12, 13 and 14,
with brass cap mkd.

T 18 S R 5 W

S 11	S 12
S 14	S 13

1920

Dig pits, 18x18x12 ins. in each sec., 3 ft. dist.

Cor. established at N. S. and E. wire fence intersection.

The course of this line therefore is therefore S. 89°
 $56'$ E., and the dist. is 40.35 chs.

The course of the western half mile therefore is S. 89°
 $12'$ E., and the dist. is 40.46 chs.

Land, nearly level.

Soil, light sand and sandy loam, more than 2 ft. deep,
on light clay subsoil.

Timber, none.

Undergrowth, dense sagebrush.

General western exposure. Fair grazing.

From the cor. of secs. 11, 12, 13 and 14.

North, on resurvey line bet. secs. 11 and 12.

Asc. gradually over nearly level land, through dense
sagebrush undergrowth. Along N. and S. fence and road
to the E.

10.00 Leave fence and road; road bears NW. fence ends.

40.00 After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in
the ground, for the restored $\frac{1}{4}$ sec. cor., with brass

Resurvey of Subdivision, T. 18 S., R. 5 W.

Chains.

cap mkd.

 $\frac{1}{4}$

S 11 | S 12

1920

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.

The course of this line therefore is North, and the dist. is 40.00 chs.

For land description, see notes of the northern portion of this mile.

From the cor. of secs. 11, 12, 13 and 14.

East, on resurvey line bet. secs. 12 and 13.

Over nearly level land, through dense sagebrush undergrowth, along E. and W. fence.

- 40.58 Fall 30 lks. N. of the $\frac{1}{4}$ sec. cor., which is A quartzite, 14x6x6 ins., firmly set; mkd. $\frac{1}{4}$ on the N. face; alongside of which Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

 $\frac{1}{4}$ S 12
 $\frac{1}{4}$ S 13

1920

Dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.

The course of this line therefore is S. $89^{\circ} 34'$ E., and the dist. is 40.58 chs.

Continue same line with continuous measurement.

Leave E. and W. fence.

52.60 Road, bears NE. and SW.; enter scattering cedar timber.

62.60 Oak City-Holden road, bears N. and S.

70.50 Wash, 50 lks. wide, 70 ft. deep, drains SW.

81.07 Fall 131 lks. N. of the cor. of secs. 7, 12, 13, and 18, on the E. bdy. of the twp., heretofore described.

The course of this line therefore is S. $88^{\circ} 34'$ E., and the dist. is 40.50 chs.

Land, nearly level in the western portion; rolling in the eastern portion.

Survey of the E. Bdy., T. 18 S., R. 5 W.

Chains.

Soil, light sandy loam, more than 2 ft. deep in the western portion; light clay and gravel, shallow and rocky in the eastern portion.
 Timber, scattering scrub cedar in the eastern portion.
 Undergrowth, dense sagebrush.
 General western exposure. Fair grazing.

East Boundary.

From the $\frac{1}{4}$ sec. cor., bet. secs. 7 and 12, on the E. bdy. of the twp., heretofore described.

North, bet. secs. 7 and 12.

Asc. over rolling land, through scattering scrub cedar and pinon timber, dense sagebrush undergrowth.

5.00 Draw, drains SW., continue aso.

32.70 Wood road, bears NE. and SW.

40.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 1, 6, 7 and 12, with brass cap mkd.

T 18 S	
R 5 W	R 4 W
S 1	S 6
S 12	S 7

1920

from which

A cedar, 8 ins. diam., bears N. 87° E.,
 38 lks. dist., mkd. T18S R4W S6 BT.

A cedar, 14 ins. diam., bears S. 17° E.,
 77 lks. dist., mkd. T18S R4W S7 BT.

A cedar, 14 ins. diam., bears S. 62° W.,
 94 lks. dist., mkd. T18S R5W S12 BT.

A cedar, 8 ins. diam., bears N. 67° W.,
 63 lks. dist., mkd. T18S R5W S1 BT.

Land, rolling.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush.

General southwestern exposure. Fair grazing.

East Boundary, T. 18 S., R. 5 W.

Chains.

From the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the twp.

North, bet. secs. 1 and 6.

Asc. over rolling land, through scattering scrub cedar and pinon timber, dense sagebrush undergrowth.

10.00 Enter rolling foot-hills, bears NE. and SW.

27.70 Draw, drains SW., Road in bottom, bears NE. and SW.; continue asc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 1	$\frac{1}{4}$	S 6
1920		

from which

A cedar, 18 ins. diam., bears N. 52° E.,
38 lks. dist., mkd. $\frac{1}{4}$ S6 BT.

A cedar, 24 ins. diam., bears N. 87° W.,
27 lks. dist., mkd. $\frac{1}{4}$ S1 BT.

49.00 Spur, projects W., 150 ft. above draw; desc.

60.00 Draw, drains SW., 30 ft. below spur; asc.

72.10 Ridge, bears E. and W., 165 ft. above draw; desc.

86.10 Ravine, drains W., 160 ft. below ridge; asc.

90.53 Intersect the S. bdy. of T. 17 S., R. 5 W., 15.95 chs.

West of the cor. of twp, 17 S., R. 5 W., as described in the notes of that twp., as surveyed under this group. At point of intersection.

Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the ground, on solid rock, in a large mound of stone, for the cor. of T. 18 S., Rgs. 4 and 5 W., with brass cap mkd.

T 17 S R 5 W
S 36

S 1	S 6
R 5 W	R 4 W
T 18 S	

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

No trees within limits suitable for bearing trees.

Subdivision of T. 18 S., R. 5 W.

Chains.

- Land, rolling.
Soil, light clay and gravel, shallow and rocky.
Timber, scattering scrub cedar and pinon.
Undergrowth, dense sagebrush.
General western exposure. Fair grazing.
-

Subdivision.

- From the restored $\frac{1}{4}$ sec. cor., bet. secs. 11 and 12.
North, bet. secs. 11 and 12.
Asc. gradually over gently rolling land, through dense sagebrush undergrowth.

- 4.00 Recross road, bears N. 20° E. and S. 20° W.
32.00 Road, bears NW. and SE.
39.17 Subsequently the point for the cor. of secs. 1 and 12.
For description and establishment, see notes of line bet. secs. 1 and 12.
40.00 Leave temp. point.
41.07 Subsequently the point for the cor. of secs. 2 and 11.
For establishment and description, see notes of line bet. secs. 2 and 11.
Land, gently rolling.
Soil, light sand and sandy loam, more than 2 ft. deep,
on light clay subsoil.
Timber, none.
Undergrowth, dense sagebrush.
General southwestern exposure. Fair grazing.
-

From the temp. point on line bet. secs. 11 and 12.

East, on random line bet. secs. 1 and 12.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

81.26 Intersect the E. bdy. of the twp., 83 lks. N. of the
cor. of secs. 1, 6, 7 and 12, heretofore described.
From the cor. of secs. 1, 6, 7 and 12, on the E. bdy.
of the twp.

West, on true line bet. secs. 1 and 12.

Subdivision of T. 18 S., R. 5 W.

Chains.	Desc. over gently rolling land, through scattering scrub cedar timber, dense sagebrush undergrowth.
12.20	Draw, drains SW.; road in bottom, bears NE. and SW.; asc.
32.00	Ridge, bears NE. and SW., 80 ft. above draw; desc.
40.65	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 12, with brass cap mkd.

$\frac{1}{4}$ S 12

1920

Dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
No trees within limits suitable for bearing trees.
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 1, with brass cap mkd.

$\frac{1}{4}$ S 1

1920

Dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
No bearing trees within limits suitable for bearing trees.

45.00 Low spur, projects SW.; continue desc.
49.90 Ravine, drains SW., 50 ft. below spur; asc. gradually.
72.70 Oak City-Holden road, bears NW. and SE.
81.26 At intersection with the E. bdy. of sec. 11.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 1 and 12, with brass cap mkd.

T 18 S

S 11	<u>S 1</u>
	S 12
	R 5 W

1920

Dig pits, 18x18x12 ins. in each sec., 3 ft. dist.
Land, gently rolling.
Soil, light sand and gravel, shallow and rocky.
Timber, scattering scrub cedar and pinon.

Subdivision of T. 18 S., R. 5 W.

Chains.

Undergrowth, dense sagebrush.

General southwestern exposure. Fair grazing.

From the temp. point left on the line bet. secs. 11 and 12.

West, on random line bet. secs. 2 and 11.

40.00 Set temp. $\frac{1}{4}$ sec. cor.81.08 Fall 107 lks. S. of the cor. of secs. 2, 3, 10 and 11.
East, on true line bet. secs. 2 and 11.Asc. gradually over rolling land, through dense scrub cedar and pinon timber; dense sagebrush undergrowth.
40.54 Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{2}$ sec. cor. with brass cap mkd. $\frac{1}{2}$ S 11

1920 from which

A cedar, 12 ins. diam., bears S. $21^{\circ} 50'$ E.,
55 lks. dist., mkd. $\frac{1}{4}$ S11 BT.A cedar, 8 ins. diam., bears S. 25° W.,
80 lks. dist., mkd. $\frac{1}{4}$ S11 BT.41.08 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{2}$ sec. cor. for sec. 2, with brass cap mkd. $\frac{1}{4}$ S 2

1920 from which

A cedar, 12 ins. diam., bears N. 75° E.,
51 lks. dist., mkd. $\frac{1}{4}$ S2 BT.A cedar, 12 ins. diam., bears N. 15° W.,
93 lks. dist., mkd. $\frac{1}{4}$ S2 BT.

75.80 Road, bears NE. and SW.

81.08 Intersect the W. bdy. of sec. 1, 190 lks. N. of the cor. of secs. 1 and 12. At point of intersection Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 2 and 11, with brass cap mkd.

Subdivision of T. 18 S., R. 5 W.

Chains.

T 18 S

S 2
S 11

R 5 W

1920

S 1

from which

A cedar, 10 ins. diam., bears S. $61^{\circ} 45'$ W.,
264 lks. dist., mkd. T18S R5W S11 BT.

A cedar, 16 ins. diam., bears N. $29^{\circ} 30'$ W.,
98 lks. dist., mkd. T18S R5W S2 BT.

Land, rolling.

Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.

Timber, ~~scattered~~ scrub cedar and pinon.

Undergrowth, dense sagebrush.

General southwestern exposure. Fair grazing.

From the cor. of secs. 2 and 11.

North, on true line bet. secs. 1 and 2.

Asc. over rolling land, through scattering scrub cedar timber, dense sagebrush undergrowth.

- 8.90 Road, bears NW. and SE., Oak City- Holden.
28.90 Wood road, bears NW. and SE.
38.10 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 1, with brass cap mkd.

$\frac{1}{4}$

S 1

1920

from which

A cedar, 10 ins. diam., bears N. $26^{\circ} E.$
43 lks. dist., mkd. $\frac{1}{4}$ S1 BT.

No other trees within limits suitable for bearing trees.

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., for sec. 2, with brass cap mkd.

$\frac{1}{4}$

S 2

1920

from which

Subdivision of T. 18 S., R. 5 W.

Chains.

- A cedar, 6 ins. diam., bears S. 25° W.,
26 lks. dist., mkd. $\frac{1}{2}$ S2 BT.
A cedar, 24 ins. diam., bears N. 56° W.,
 $7\frac{1}{4}$ lks. dist., mkd. $\frac{1}{2}$ S2 BT.
- 73.00 Spur, projects W., 180 ft. above $\frac{1}{2}$ sec. cor.; desc.
- 88.57 Intersect the N. bdy. of thw twp., 9.50 chs. West of the
cor. of secs. 35 and 36; heretofore described in the
notes of T. 17 S., R. 5 W., this group. At point of
intersection
- Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for the cor. of secs. 1 and 2, with brass
cap mkd.

T	17	S	R	5	■
					S 35
S 2			S 1		
T 18 S					

1920 from which

A cedar, 24, ins. diam., bears S. 38° E.,
61 lks. dist., mkd. T18S R5W S1 BT.

A cedar, 24 ins. diam., bears S. 31° W.,
52 lks. dist., mkd. T18S R5W S2 BT.

Land, rolling.

Soil, light sand and gravel, more than 2 ft. deep, on
light clay subsoil.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush.

General southwestern exposure. Fair grazing.

Latitude, Departures, and Closing Errors, T. 18 S.,

R. 5 W.

Lines designated.	Course.	Dist.	Latitudes.		Departures.		W. ch.
			N.	S.	E.	W.	
Bet.Secs. 10&11.	N. $0^{\circ}25' W.$	40.21'	40.21'	.....	.....	.....	.29
Bet.Secs. 10&11.	N. $0^{\circ}12' E.$	39.90'	39.90'	.....	.....	.14	.....
Bet.Secs. 2 & 3.	N. $5^{\circ}06' E.$	88.98'	88.63'	.....	.....	7.91	.....
N.Bdy.T.18 S., R.5 W.	East.	154.42'	.....	.....	154.42'	.....	.....
E.Bdy.T.18 S., R.5 W.	South.	130.53'	.....	130.53'	.....	.....	.....
E.Bdy.T.18 S., R.5 W.	S. $0^{\circ}28' W.$	40.514'	.....	40.51'	.....	.....	.33
Bet.Secs. 12&13.	N. $88^{\circ}34' W.$	40.50'	1.01'	.....	.....	.....	40.49
Bet.Secs. 12&13.	N. $89^{\circ}34' W.$	40.58'	.31'	.....	.....	.....	40.58
Bet.Secs. 11&14.	N. $89^{\circ}36' W.$	40.35'	.28'	.....	.....	.....	40.55
Bet.Secs. 11&14.	N. $89^{\circ}12' W.$	40.46'	.56'	.....	.....	.....	40.46
Convergency,	.....	.....	.....	.....	.....	.06	.....
		656.44	170.90'	171.04'	162.55'	162.50'	.....
						
	Error in latitude, . . . . .			.14			
	Error in departure, . . . . .					.03	

Closing error, 1 in 4587.

GENERAL DESCRIPTION.

The land in the four sections embraced in that portion of the township surveyed under this group, is rolling foot-hills in the eastern portion of sections 1 and 12, becoming smoother to the west.

The soil in the rolling portion is light gravel, shallow and rocky, while in the western portion it is of a light sand and sandy loam, 2 to 4 ft. deep, on light clay subsoil. The greater portion of secs. 2 and 11, and the western portion of secs. 1 and 12 are adapted to cultivation.

Scattering scrub cedar and pinon timber is found in the eastern portion of secs. 1 and 12, and along the north boundary of the township. The undergrowth is principally dense sagebrush.

The land is located along the eastern edge of a large valley and on the Oak City-Holden road, approximately 7 miles south of Oak City. While the land can be easily cultivated, I am of the opinion that ^{it} can never be successfully dry-farmed, on account of the extreme heat in the summer time and the scarcity of moisture. There is no water in this portion of the township.

There are no settlers, nor improvements in these sections.

General Description, T. 18 S., R. 5 W.

I noticed no indication of mineral or oil.

Volume

#

R0446

BOOK A-446
FIELD ASSISTANTS.

NAMES.	CAPACITY.
Melvin H. Lewis,	First Chainman.
Jack Q. Blades	Second Chainman.
Earl Lovell	Flagman.

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Jos. C. Thoma, U. S. Cadastral Engineer, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the sixteenth day of January, 1919, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of T. 18 S., R. 5 W.

of the Salt Lake

Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me, and under my direction; And that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah

and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Dated, Salt Lake City, Utah,
this 17 day of March, 1921.

Jos. C. Thoma
U. S. Surveyor
Cadastral Engineer

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

December 19,

21

The foregoing field notes of the survey of a portion of the subdivisions and a portion of the east boundary; resurvey of a portion of the subdivisions, and a portion of the East boundary of T. 18 S.

R. 5 W. Salt Lake Base and Meridian, Utah

executed by Joseph C. Thoma

under his special instructions dated January 16, 1919, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys and resurveys they describe, are hereby approved.

O. D. Jackson
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in

, has been correctly copied from the original notes on file in this office.

Blank

Page

Blank

Page

BOOK A-446

C



FIELD NOTES

OF THE SURVEY OF ~~THE~~A Portion of the Boundaries and a Portion of theSubdivision ofT. 18 S., - R. 3 W.Of the Salt Lake Base and Meridian,In the State of Utah.

EXECUTED BY

Jos. C. Thoma,U. S. Cadastral Engineer,In the capacity of U. S. Surveyor, under Special Instructions dated January 16, 1919,Issued by the United States Surveyor General to govern surveys included in GroupNo. - 75, which were approved by the Commissioner of the General LandOffice, February 6, 1919, and Assignment Instructions dated July 10, 1920.Survey commenced August 7, 1920, 1921Survey completed October 18, 1920, 1921

Examiner Handled

Plat - Surveyed

F.M.S. F.G.J.

K.F.B.

Computations

F.M.S.

Surveys

Plat Index

K.F. K.F.B.

BOOK A-446

INDEX DIAGRAM.

Township 18 South Range 3 West.

30	30	30	30						
34	33	32	31						
6	39	5	47	4	54	3	21	2	1
41	48		56		57				
7	41	8	49	9	58	10	19	11	12
43	50		59		60				
18	44	17	51	16	61	15	17	14	13
45	52		62		63				
19	46	20	53	21	63	22	10	23	24
27	27		65		66		16		
29	28						9		8
30	27	29	25	28	66	27	10	26	25
				23	68		14	11	7
31	32		33	22	34	10	12		
						15	35	69	36
						4	4	5	6

744

BOOK A-446

4-679 b

INDEX DIAGRAM.

Township 185, Range 38

107	107	109	107	108	107			
106	6	115	5	123	4	131	3	97
105	11	117	124	132	133			1
106	7	118	8	125	9	134	10	95
106	18	120	17	127	16	137	15	92
105	11	119	126	135	136			13
106	19	122	20	129	21	138	22	86
105	105	105	105	111	111	142	85	92
87	30	103	29	101	28	142	27	86
B1				99	111	88	86	85
						86	87	87
						89	85	145
							86	82
							81	

6-4617

Date Diagram /

T. 18 S., R. 3 W.

	9/14/20	9/14/20	9/10/20	9/4/20	
	6 10/2/20	5 10/1/20	4 9/29/20	3 9/28/20	8/14/20 9/11/20
	7 10/5/20	8 10/4/20	9 10/6/20	10 10/14/20	
	8 9/1/20	17 9/3/20	16 9/6/20	15 9/6/20	
	19 10/18/20	20 10/18/20	21 10/7/20	22 10/18/20	8/14/20 9/11/20
	8/21/20	8/21/20	10/18/20	10/18/20	8/13/20 8/13/20
		8/20/20	28 10/18/20	27 8/24/20	26 8/10/20
			8/20/20	8/24/20	25 8/18/20 8/13/20
			8/19/20	34 8/11/20	35 8/18/20
				8/19/20	36 8/12/20 8/12/20
					8/12/20 8/28/20

Survey commenced August 7, 1920, and executed with Buff & Buff solar transit No. 9218, with Smith solar attachment and full vertical circle; unless otherwise specified all azimuth determinations are accomplished with the solar attachment.

The instrument was approved for use on this survey by the assistant supervisor of surveys for Utah, upon satisfactory field tests, in assignment instructions dated July 10, 1920.

I examine the adjustments of the transit, and find them correct, then test the solar apparatus by comparing its indications hourly with the true meridian estab-

Test of Instruments, T. 18 S., R. 3 W.

Chains.

lished by observations made on Polaris as follows:

At my camp in the SW. $\frac{1}{4}$ of sec. 18, T. 18 S., R. 2 W., S. L. B. and Mer., in approximate latitude $39^{\circ} 15'$ N., longitude, $112^{\circ} 06'$ W., I set off $39^{\circ} 15'$ N. on the lat. arc; $16^{\circ} 20'$ N. on the decl. arc, and at 3h p. m. app. t., determine a meridian with the solar and mark a point in the line thus determined by a peg driven firmly in the ground, approximately 10 chs. N. of my station.

At 8h 00m 35s, p. m., l. m. t., my watch being 26m fast of l. m. t., as determined by subsequent observation, I make an hour angle observation on Polaris, east of the meridian, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from the stake as above set, i. e. Mean horizontal angle from stake to Polaris,

$1^{\circ} 10'$ to the E.

Watch time of observation, 8h 26m 35s, p. m.

Azimuth of Polaris, $1^{\circ} 10'$ E.

August 8, 1920: At 9h a. m., app. t., I set off $39^{\circ} 15'$ N. on the lat. arc, $16^{\circ} 07'$ N. on the decl. arc, and determine a meridian with the solar which agrees with the meridian as determined by observations on Polaris and the meridian as determined by the a. m. solar on August 7.

I make a meridian observation of the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb:

Watch time of obs'n. (mean) 11h 39m 30s

Watch fast, l. m. t., 10h 26m 00s

Mean observed altitude, $66^{\circ} 50'$

Reduced latitude, $39^{\circ} 15'$

Chains/

At app. noon, I set off $39^{\circ} 15'$ N. on the lat. arc, and observe the sun on the meridian; the resulting decl. is $16^{\circ} 05'$ N.

As all solar observations during the usual hours of solar work come within 1' of the true meridian, it is concluded that the adjustments of the instrument are satisfactory.

The instrument was kept in good adjustment during the progress of the survey, frequent tests of the solar apparatus being made by comparing its indications with the Polaris meridian, however, at the conclusion of the survey on

October 18, 1920: At 8h a. m., app. t., I set off $9^{\circ} 37'$ S. on the decl. arc; $39^{\circ} 15'$ N. on the lat. arc, and determine a meridian with the solar which agrees with the meridian as obtained by the above Polaris observation.

At app. noon, I set off $9^{\circ} 42'$ S. on the decl. arc, and observe the sun on the meridian, the resulting lat. is $39^{\circ} 15'$ N.

A 2h, p. m., app. t., with the lat. arc unchanged, I set off $9^{\circ} 44'$ S. on the decl. arc, and determine a meridian with the solar, which agrees with the meridian as obtained by observations on Polaris.

Unless otherwise specified all measurements are made with a Lallie steel tape, 5 chains in length, compared with a Lufkin standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

Resurvey of a Portion of the S. Bdy., T. 18 S., R. 3 W.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the twp., which is

A limestone, 12x6x8 ins. above ground, firmly set, mkd.

Resurvey of Portion of the S. Bdy., T. 18 S.,

R. 3 W.

Chains.	
	with 6 notches on the N. and S., and 3 notches on the E. and W. faces.
	East, on retracement line bet. secs., 3 and 34.
40.37	Fall 18 lks. S. of the $\frac{1}{4}$ sec. cor., which is A quartz, 14x14x6 ins. above ground, firmly set; mkd. $\frac{1}{2}$ on the N. face. The course of this half mile is therefore N. $89^{\circ} 45'$ E., and the dist. is 40.37 chs. Continue same line with continuous measurement.
80.70	Fall 57 lks. S. of the cor. of secs., 2, 3, 34 and 35, which is A quartzite, 10x12x6 ins. above ground, firmly set; mkd. with 6 grooves on the N. and S., 2 on the E. and 4 grooves on the W. faces. The course of this line is therefore N. $89^{\circ} 27'$ E., and the dist. is 40.33 chs.
40.28	From the cor. of secs. 2, 3, 34 and 35, on the S. Bdy. of the twp. East, on a resurvey line bet. secs. 2 and 35. Fall 47 lks. S. of the $\frac{1}{4}$ sec. cor., which is A limestone, 12x16x24 ins. firmly set in mound of stone, mkd. $\frac{1}{2}$ on the N. face, along side of which Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, on solid rock, in large mound of stone for the $\frac{1}{4}$ sec. cor., with brass cap mkd. <u>$\frac{1}{4}$ S 35</u> <u>$\frac{1}{4}$ S 2</u>
	1920
	The course of this line is therefore N. $89^{\circ} 20'$ E., and the dist. is 40.28 chs. Continue same line with continuous measurement.
80.60.	Fall 33 lks. N. of the cor. of secs. 1, 2, 35 and 36, subsequently the cor. for secs. 1 and 2, only, which is A quartz, 18x12x8 ins. above ground, firmly set; mkd. with 6 grooves on the N. and S., 5 grooves on the W.,

Resurvey of a Portion of the W. Bdy., T. 18 S.,

R. 3 W.

Chains.

and 1 groove on the E. faces. Along side of which set an iron post, 3 ft. long, 2 ins. diam., in a mound of stone, 5 ft. base, 30 ins. high, for the cor. of secs. 1 and 2, with brass cap mkd.

T 18 S R 3 W

S 36

S 2 | S 1

T 19 S R 3 W

1920

The course of this half mile is therefore S. $88^{\circ} 52'$ E., and the dist. is 40.33 chs.

From the cor. of secs. 1 and 2, on the S. bdy. of the twp.

East, on resurvey line along the N. bdy. of sec. 1.

40.00 After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.

79.70 Fall 31 lks. N. of the cor. of Tps. 18 and 19 S., Rgs.

2 and 3 W., which is

A quartzite, 12x10x12 ins. above ground, firmly set; mkd. with 6 notches on the N. S. E. and W. edges.

The course of this line is therefore S. $89^{\circ} 47'$ E., and the dist. is 79.70 chs.

From the cor. of secs. 1 and 2.

S. $89^{\circ} 47'$ E., on resurvey line along the N. bdy. sec. 1.

Asc. over rough mountainous land, through dense sagebrush, scrub oak, manzanita and bitter brush.

25.00 Ridge, bears N. and S., 100 ft. above sec. cor.; desc.

abruptly through dense scrub cedar and pinon timber,

39.85 Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the restored $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 36

S 1

1920

Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Ravine, drains NE., 610 ft. below ridge; asc.

46.20 Spur, projects N., 60 ft. above ravine; desc.

Resurvey of a Portion of the S. bdy., T. 18 S.,

R. 3 W.

Chains.	
60.30	Ravine, drains N., 60 ft. below spur; asc. Leave timber
79.70	The cor. of tps. 18 and 19 S., Rgs. 2 and 3 W. Land, rough and broken mountainous. Soil, light clay and gravel, shallow and rocky. Timber, dense scrub cedar and pinon. Undergrowth, dense sagebrush, scrub oak, manzanita and bitter brush. General northern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of Tps. 18 and 19 S., Rgs. 2 and 3 W. North, on retrace ment line along the E. bdy. of T. 18 S. R. 3 W., bet. secs. 31 and 36.
40.00	After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.
78.34	Fall 41 lks. W. of the cor. of secs. 25, 30, 31 and 36, subsequently the cor. of secs. 30 and 31, R. 2 W., which is A quartz, 8x12x10 ins. above ground, firmly set; mkd. with 6 grooves on the E. and W., 5 grooves on the N., and 1 groove on the S. faces. The course of this line is therefore N. $0^\circ 18'$ E., and the dist. is 78.34 chs.
	N. $0^\circ 18'$ E., on resurvey line bet. secs. 31 and 36. Desc. abruptly over rough mountainous land, through scattering scrub cedar and pinon timber, dense scrub oak, mahogany, bitter brush and sagebrush undergrowth.
14.50	Ravine, drains NW., 340 ft. below twp. cor.; asc.
20.50	Spur, projects NW., 50 ft. above ravine; desc.
25.00	Ravine, drains W., from the SE., 110 ft. below spur; asc abruptly.
39.17	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	S.36 | S.31
	1920

Resurvey of a Portion of the E. Bdy., T. 18 S.,

R. 3 W.

Chains.

Raised a mound of stone, 2 ft. base, $\frac{1}{2}$ ft. high, W. of cor.

No trees within limits suitable for bearing trees.

40.60 Ridge, bears E. and W., 300 ft. above ravine; desc. abruptly.

78.34 The cor. of secs. 30 and 31, T. 18 S., R. 2 W., 920 ft. below top of ridge.

Land, rough and broken mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense scrub oak, mahogany, bitter brush and sagebrush.

General northern exposure. Limestone and quartz formation. Good grazing.

From the cor. of secs. 30 and 31.

North, on retracement line bet. secs. 25 and 30.

40.68 Fall 8 lks. E. of the $\frac{1}{2}$ sec. cor., which isA quartz, 12x9x8 ins., firmly set in mound of stone, mld. $\frac{1}{2}$ on the W. face.The course of this line is therefore N. $0^{\circ} 07'$ W., and the dist. is 40.68 chs.From the $\frac{1}{2}$ sec. cor.

North, on retracement line.

41.28 Fall 35 lks. W. of the cor. of secs. 19, 24, 25, and 30, which is

A sandstone, 14x10x10 ins., loosely set along fence line; mld. with 6 grooves on the E. and W. face, 4 grooves on the N. and 2 grooves on the S. face.

The course of this line is therefore N. $0^{\circ} 29'$ E., and the dist. is 41.28 chs.

Resurvey of a Portion of the W. Bdy., T. 18 S., R. 3 W.

From the $\frac{1}{2}$ sec. cor., bet. secs. 25 and 30, on the W. bdy. of the twp., which is

	Chains.	A quartzite, 16x10x.8 ins. above ground, firmly set; mkd. $\frac{1}{4}$ on the W. face. North, on resurvey line along the W. bdy. of twp., bet. secs. 25 and 30. Asc. over rolling land, through, dense scrub cedar and pinon timber, dense sagebrush, and bitter brush undergrowth.
23.10	Ridge, bears NE. and SW., 140 ft. above $\frac{1}{4}$ sec. cor.; desc. gradually.	
40.00	After diligent search, find no evidence of the cor. of secs. 19, 24, 25 and 30. Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, on solid rock, in mound of stone, 6 ft. base, 18 ins. high, for the restored cor. of secs. 19, 24, 25 and 30, with brass cap mkd.	
		T 18 S R 4 W | R 3 W S 24 | S 19 S 25 | S 30
		1920 From which
		A cedar, 16 ins. diam., bears N. $77^{\circ} 30'$ E., 58 lks. dist., mkd. T18S R3W S19 BT.
		A cedar, 14 ins. diam., bears S. $34^{\circ} 30'$ E., 176 lks. dist., mkd. T18S R3W S30 BT.
		A cedar, 24 ins. diam., bears S. 27° W., 44 lks. dist., mkd. T18S R4W S25 BT.
		A cedar, 8 ins. diam., bears N. 41° W., 124 lks. dist., mkd. T18S R4W S24 BT.
		Land, rolling mountainous.
		Soil, light clay and gravel, shallow and rocky.
		Timber, dense scrub cedar and pinon.
		Undergrowth, dense sagebrush and bitter brush.
		General western exposure. Limestone formation. Good grazing.

		Retracement and Resurvey of Subdivision.
		From the cor. of secs. 19, 24, 25 and 30, on the E. Bdy.

Resurvey of Subdivision, T. 18 S., R. 5 W.

85

Chains.	West, on retracement line bet. secs. 24 and 25.
40.23	After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.
81.52	Fall 64 lks. N. of the cor. of secs. 25, 24, 25 and 26, which is A limestone, 18 x 14 x 5 ins., set in a mound of stone, mkd. with 2 notches on the S., and 1 notch on the E. edge. The course of this line is therefore S. $89^{\circ} 35'$ W., and the dist. is 81.52 chs. From the cor. of secs. 19, 24, 25 and 30, on E.bdy.of Tp. S. $89^{\circ} 33'$ W., on resurvey line bet. secs. 24 and 25. Asc. gradually over cultivated land.
25.50	Irrigation canal, 5 lks. wide, 2 ft. deep, course N., continue asc.
40.76	Proportional measurement. Point for restored $\frac{1}{4}$ sec. cor. falls in private land, no cor. set.
73.50	Telephone line, Scipio-Holden, and four-strand wire fence bears NE. and SW.
.76.20	Road, Scipio to Holden (Arrowhead Trail) bears NE. and SW.
79.00	Wire fence at corner from the W. to NE.; thence along fence.
81.52	The cor. of secs. 25, 24, 25 and 26. Land, level. Soil, dark clay loam, 3 ft. deep, on hardpan subsoil, in culitivated portion; light clay and gravel, shallow and rocky on remainder of mile. Timber, none. Undergrowth, alfalfa in cultivated portion; dense sage-brush on remainder of mile. General Northern exposure. No public grazing.
<hr/>	
	From the cor. of secs. 23, 24, 25 and 26. West, on retracement line bet. secs. 25 and 26.

Retracement of Subdivision, T. 18 S., R. 5 W.

- claims.
 40.00 After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.
 30.10 After diligent search, find no evidence of the cor. of secs. 22, 23, 26 and 27. Leave temp. point.

 From the cor. of secs. 23, 24, 25 and 26.
 South, on retracement line bet. secs. 25 and 26.
 40.00 After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.
 30.00 After diligent search, find no evidence of the cor. of secs. 25, 26, 35 and 36. Leave temp. point.

 From the temp. point left for the cor. of secs. 25, 26, 35 and 36.
 West, on retracement line bet. secs. 26 and 35.
 40.00 Leave temp. point. After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.
 30.00 After diligent search, find no evidence of the cor. of secs. 26, 27, 34 and 35. Leave temp. point.

 From the cor. of secs. 14, 15, 22 and 23, subsequently the cor. of secs. 14 and 23, only, which is a limestone, 8x12x6 ins. above ground; firmly set; mkd. with 3 notches on the S. and 2 notches on the E. edges.
 South, on retracement line bet. secs. 22 and 23, 26 and 27, and 34 and 35, making diligent search at intervals of 40 chs. for $\frac{1}{4}$ sec. and sec. cors. Finding no evidence of the cors. Leave temp. points. At
 240.24 Fall 258 lks. W. of the cor. of secs. 34 and 35, on the S. bdy. of the twp., heretofore described.
 The course of this line therefore is N. $0^{\circ} 57'$ W., and the proportional dist. for each mile is 80.08 chs.
 I return and adjust the temp. points to their true proportional latitudinal positions.
 From the temp. proportional point for the cor. of secs. 26, 27, 34 and 35, the temp. point for the same cor. left on line bet. secs. 26 and 35, bears East, 176

Resurvey of Subdivision, T. 18 S., R. 3 W.

Chains.

lks. and South, 111 lks. I restore the cor. of secs. 26, 27, 34 and 35, on a right line connecting the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the twp., and the cor. of secs. 14, 15, 22 and 23; subsequently the cor. for secs. 14 and 23 only.

The course of the line bet. secs. 34 and 35, therefore is N. $0^{\circ} 37'$ W., and the dist. is 80.08 chs.

The course of the line bet. secs. 26 and 35, therefore is N. $89^{\circ} 12'$ W., and the dist. is 80.00 chs.

The course of the line bet. secs. 25 and 26, therefore is N. $0^{\circ} 02'$ E., and the dist. is 80.00 chs.

From the proportional point for the cor. of secs. 22, 23, 26 and 27, subsequently the cor. of secs. 23 and 26, only, the temp. point left on line bet. secs. 23 and 26, bears 164 lks. E. and 137 lks. South.

The course of the line bet. secs. 26 and 27 therefore is N. $0^{\circ} 3'$ W. and the dist. is 80.08 chs.

The course of the line bet. secs. 22 and 23 therefore is N. $1^{\circ} 10'$ W., and the dist. is 80.10 chs.

The course of the line bet. secs. 23 and 26 therefore is N. $89^{\circ} 01'$ W., and the dist. is 80.10 chs.

From the restored cor. for secs. 25, 26, 35 and 36, which cor. is restored 4 lks. W. of the temp. point, where I Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the restored cor. of secs. 25, 26, 35 and 36, with brass cap mkd.

T 18	S R 3 W
S 26	S 25

S 35	S 36

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No trees within limits suitable for bearing trees.

N. $0^{\circ} 02'$ E., on resurvey line bet. secs. 25 and 26.

Chains.	Asc. over rolling mountainous land, through scattering scrub cedar and pinon timber, scattering scrub oak, bitter brush and sagebrush undergrowth.
8.80	Spur, projects NE., 50 ft. above sec. cor.; desc.
31.50	Ravine, drains NE., 200 ft. below spur; asc.
37.60	Spur, projects NE., 120 ft. above ravine; desc.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the restored $\frac{1}{4}$ sec. cor., with brass cap mkd.
	S 26 | S 25 1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
55.00	Bottom of desc. at foot of hills, bears E. and W.; leave scattering scrub cedar and pinon timber, and scrub oak undergrowth; continue through dense sagebrush.
71.50	Draw, drains NE., 360 ft. below spur; continue gradual desc.
73.50	Wire fence and telephone line bears NE. and SW.
76.50	Scipio-Holden road, (Arrowhead Trail) bears NE. and SW.
80.00	The cor. of secs. 23, 24, 25 and 26.
	Land, rolling mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, scrub oak, bitter brush and sagebrush.
	Eastern exposure in the southern portion; northern exposure in the northern portion. Limestone formation.
	Fair grazing.
<hr/>	
	From the cor. of secs. 25, 26, 35 and 36.
	N. $89^{\circ} 12'$ W., on resurvey line bet. secs. 26 and 35.
	Asc. over mountainous land, through scattering scrub cedar and pinon timber, scattering scrub oak, bitter brush and sagebrush undergrowth.

Resurvey of Subdivision, TL 18 S., R. 3 W.

Chains.

- 4.40 Ridge, bears N. and S., 40 ft. above sec. cor.; desc.
 10.30 Ravine, drains NW., 120 ft. below ridge; asc.
 15.30 Low spur, projects N., 50 ft. above ravine; desc.
 20.20 Ravine, drains NW., 80 ft. below spur; asc.
 23.50 Spur, projects NW., 80 ft. above ravine; desc.
 31.50 Ravine, drains NW., 200 ft. below spur; asc.
 36.10 Spur, projects NW., 50 ft. above ravine; desc.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in
 the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

 $\frac{1}{4}$ S 26
 $\frac{1}{4}$ S 35

1920

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 No trees within limits suitable for bearing trees.
 45.80 Canon, drains N. 110 ft. below spur. Telephone line
 bears N. and S.; asc.
 46.40 Scipio-Holden road, (Arrowhead Trail) bears N. and S.
 63.00 Point of rocky spur projecting from the W., 530 ft.
 above canon; thence along N. slope of spur.
 80.00 The restored cor. of secs. 26, 27, 34 and 35.
 Land, mountainous.
 Soil, light clay and gravel, shallow and rocky.
 Timber, scattering scrub cedar and pinon.
 Undergrowth, scrub oak, bitter brush and sagebrush.
 General northern exposure. Limestone and quartzite
 formation. Good grazing.

 From the cor. of secs. 2, 3, 34 and 35, on the S. bdy.
 of the twp., heretofore described.

- N. $0^{\circ} 37'$ W., on resurvey line bet. secs. 34 and 35.
 Desc. over mountainous land, through scattering scrub
 cedar and pinon timber, dense scrub oak and sagebrush
 undergrowth.
 32.30 Scipio-Holden road, (Arrowhead Trail) bears E. and W.
 on dugway.

Resurvey of Subdivision, T. 18 S., R. 3 W.

Chains.	
34.70	Canon, drains NE., 200 ft. below sec. cor.; asc.
37.30	Old road, bears NE. and SW. Telephone line bears same direction.
40.04	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the restored $\frac{1}{2}$ sec. cor., with brass cap mkd.
	$\frac{1}{2}$ S 34 | S 35 1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No trees within limits suitable for bearing trees. Continue asc. over mountainous land.
80.08	Proportional measurement. Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the restored cor. of secs. 26, 27, 34 and 35, with brass cap mkd.
	T 18 S R 3 W S 27 | S 26 S 34 | S 35 1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Cor. established 350 ft. above canon. Land, mountainous. Soil, light clay and gravel, shallow and rocky. Timber, scattering scrub cedar and pinon. Undergrowth, dense scrub oak, and sagebrush. General northeastern exposure. Limestone formation. Good grazing.

	From the restored cor. of secs. 26, 27, 34 and 35. N. $0^{\circ} 03'$ W., on resurvey line bet. secs. 26 and 27. Desc. over mountainous land, through scattering scrub cedar and pinon timber, scattering scrub oak, bitter brush and sagebrush undergrowth.
12.30	Ravine, drains E., 120 ft. below sec. cor.; asc.

Resurvey of Subdivision, T. 18 S., R. 3 W.

Chains.

- 20.10 Ridge, bears E. and W., 160 ft. above ravine; desc.
- 28.10 Ravine, drains E., 140 ft. below ridge; asc.
- 34.30 Spur, projects E., 140 ft. above ravine; desc.
- 40.04 Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the restored $\frac{1}{4}$ sec. cor. for sec. 26, with brass cap mkd.

S 26

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

No trees within limits suitable for bearing trees.

- 41.54 Subsequently. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 27, with brass cap mkd.

S 27

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No trees within limits suitable for bearing trees.

- 43.50 Ravine, drains E., 80 ft. below $\frac{1}{4}$ sec. cor.; asc.
- 49.60 Spur, projects NE., 120 ft. above ravine; desc.
- 79.65 Wire fence, bears E. and W.
- 80.08 Proportional measurement. Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the restored cor. of secs. 23 and 26, with brass cap mkd.

T 18 S
S 22
S 26
R 3 W

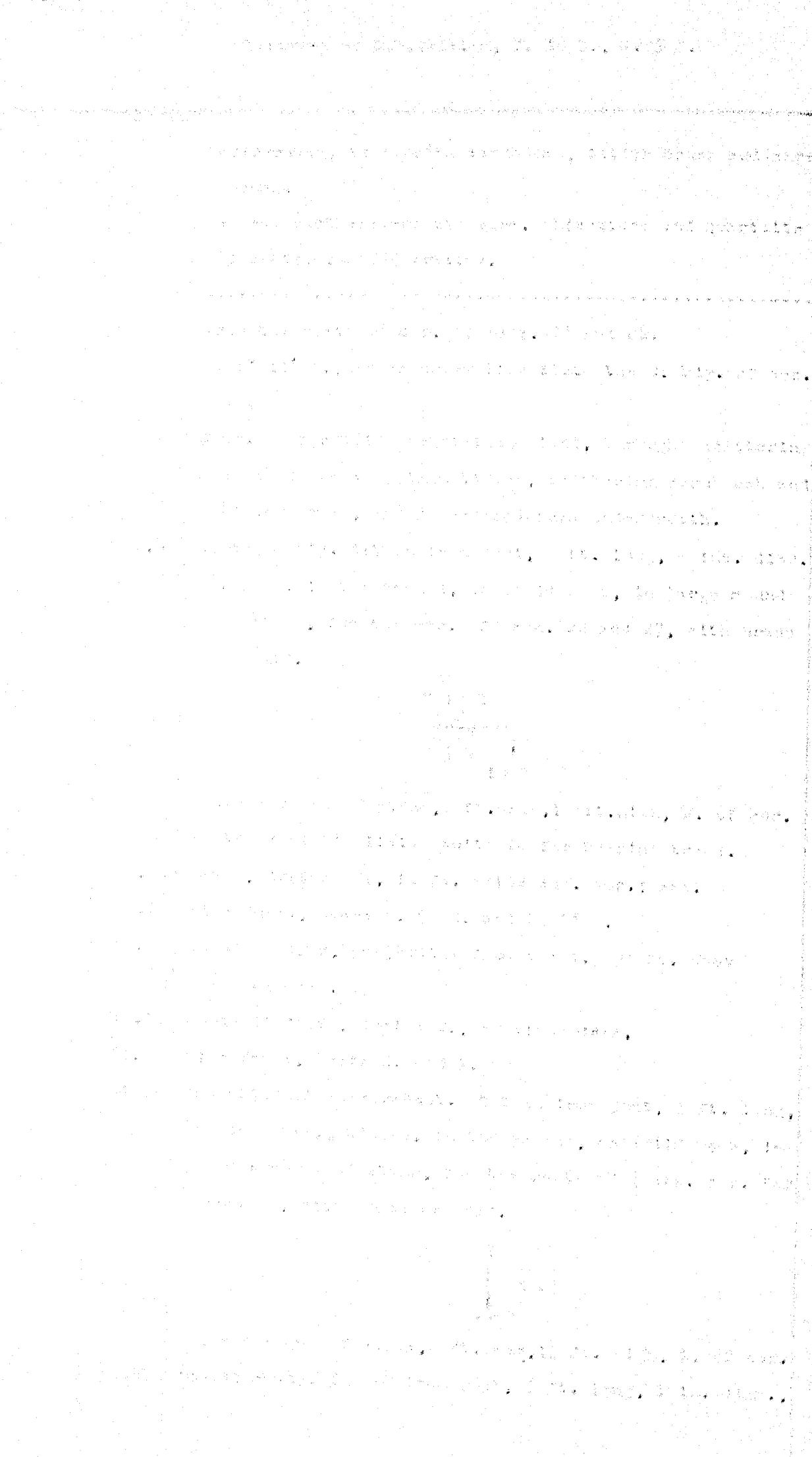
1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon.



Resurvey of Subdivision, T. 18 S., R. 3 W.

Chains

12 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor. for sec. 22, with brass cap mkd.

S. 22

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No trees within limits suitable for bearing trees.

59.80 Wire fence, bears E. and W.

80.10 Proportional measurement. The cor. of secs. 14 and 23, heretofore described. Along side of old cor.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 14 and 23, with brass cap mkd.

T 18 S

S. 14

S. 23

R 3 W.

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

No trees within limits suitable for bearing trees.

Land, rolling mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, scattering scrub oak and bitter brush, and dense sagebrush.

General eastern exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 14 and 23.

North, on retracement line along the W. bdy. of sec. 14.

40.69 Fall 17 lks. E. of the $\frac{1}{4}$ sec. cor.

The course of this line is therefore N. $0^\circ 14'$ W., and the dist. is 40.69 chs.

Continue same line with continuous measurement.

81.38 Fall 34 lks. E. of the cor. of secs. 10, 11, 14 and 15.

The course of this line is therefore N. $0^\circ 14'$ W.,

Resurvey of Subdivision, T. 18 S., R. 3 W.

Chains.

and the dist. is 40.69 chs.

N. $0^{\circ} 14' W.$, on resurvey line along the W. bdy. of sec. 14.

Asc. gradually over gently rolling land, through dense sagebrush, and scattering bitter brush and mahogany undergrowth.

1.38 Subsequently. Set an iron post, 3 ft. long, 2 ins. diam 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 15 and 22, with brass cap mkd.

T 18 S

S 15

S 22

R 3 W

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

20.30 Wire fence, bears E. and W.

40.69 The $\frac{1}{4}$ sec. cor., which is

A limestone, $1\frac{1}{4}$ x18x6 ins. above ground, firmly set; mkd. $\frac{1}{2}$ on the W. face. Along side of which

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor. for sec. 14, with brass cap mkd.

 $\frac{1}{2}$

S 14

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

Continue same line with continuous measurement.

41.38 Subsequently. Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor. for sec. 15, with brass cap mkd.

 $\frac{1}{4}$

S 15

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Resurvey of Subdivision, T. 18 S., R. 5 W.

Chains.

- 81.38 The cor. of secs. 10, 11, 14 and 15, which is
A limestone, 18x20x8 ins. above ground, firmly set; mkd.
with 4 notches on the S. and 2 notches on the E. edges.
Along side of which
Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in
the ground, in large mound of stone, for the cor. of
secs. 10, 11, 14 and 15, with brass cap mkd.

T. 18 S. R 3 W.

S 10	S 11
S 15	S 14

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, gently rolling.

Soil, light clay and gravel, shallow and rocky.

Timber, none.

Undergrowth, dense sagebrush, scattering bitter brush
and mahogany.

Eastern exposure. Limestone formation. Good grazing.

From the cor. of secs. 10, 11, 14 and 15.

North, on retracement line bet. secs. 10 and 11.

40.72 Fall 13 lks. E. of the $\frac{1}{4}$ sec. cor.

The course of this line is therefore N. $0^\circ 11'$ W., and
the dist. is 40.72 chs.

From the $\frac{1}{4}$ sec. cor. with continuous measurement.

81.30 Fall 10 lks. E. of the cor. of secs. 2, 3, 10 and 11, now
the cor. of secs. 2 and 11, only.

The course of this line is therefore N. $0^\circ 08'$ W., and
the dist. is 40.58 chs.

N. $0^\circ 11'$ W., on resurvey line bet. secs. 10 and 11.

Asc. gradually over gently rolling land, through dense
sagebrush undergrowth, along N. and S. wire fence.

20.00 Wire fence, bears E. and W.; thence along N. and S. fence.

40.02 Subsequently. Set an iron post, 3 ft. long, 1 in. diam.,
12 ins. in the ground, on solid rock, in large mound
of stone, for the $\frac{1}{4}$ sec. cor. for sec. 10, with brass

Resurvey of Subdivision, T. 18 S., R. 3 W.

Chains.

cap mkd.

 $\frac{1}{4}$

S 10

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 40.72 The $\frac{1}{4}$ sec. cor., which is
 A limestone, 12x12x4 ins., firmly set in mound of stone;
 mkd. $\frac{1}{4}$ on the W. face. Along side of which
 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in
 the ground, on solid rock, in large mound of stone,
 for the $\frac{1}{4}$ sec. cor. for sec. 11, with brass cap mkd.

 $\frac{1}{4}$

S 11

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
 N. $0^{\circ} 08'$ W., with continuous measurement.
 69.70 Small ravine, drains E., continue gradual asc.
 80.04 Subsequently. Set an iron post, 3 ft. long, 2 ins. diam.
 8 ins. in the ground, on solid rock, in large mound of
 stone, for the cor. of secs. 3 and 10, with brass cap
 mkd.

T 18 S

S 3

S 10

R 3 W

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 81.30 The cor. of secs. 2 and 11, which is
 A quartz, 24x16x8 ins., firmly set in mound of stone,
 mkd. with 5 notches on the S., and 2 notches on the E.
 edges. Along side of which
 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in
 the ground, on solid rock, in large mound of stone,
 for the cor. of secs. 2 and 11, with brass cap mkd.

T 18 S

S 2

S 11

R 3 W

1920

Resurvey of Subdivision, T. 18 S., R. 3 W.

Chains.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
Land, gently rolling.
Soil, light clay and gravel, shallow and rocky.
Timber, none.
Undergrowth, dense sagebrush.

Eastern exposure. Limestone formation. Good grazing.

From the cor. of secs. 2 and 11.

North, on retrace ment line along the W. bdy. of sec. 2.

40.00 After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.

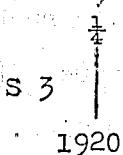
78.74 Fall 76 lks. W. of the cor. of secs. 2, 3, 34 and 35, on
the N. bdy. of the twp.

The course of this line is therefore N. $0^{\circ} 33'$ E., and the
dist. is 78.74 chs.

N. $0^{\circ} 33'$ E., on resurvey line along the W. bdy. of sec.
2.

Asc. gradually over gently rolling land, through dense
sagebrush undergrowth.

38.74 Subsequently. Set an iron post, 3 ft. long, 1 in. diam.
6 ins. in the ground, on solid rock, in large mound
of stone, for the $\frac{1}{4}$ sec. cor. for sec. 3, with brass
cap mkd.



Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

39.20 Proportional measurement. Set an iron post, 3 ft. long,
1 in. diam., 12 ins. in the ground, on solid rock, in
large mound of stone, for the restored $\frac{1}{4}$ sec. cor. for
sec. 2, with brass cap mkd.

S 2

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

41.60 Small rocky ravine, drains E. Enter very scattering
scrub cedar and pinon timber.

Resurvey of Subdivision, T. 18 S., R. 3 W.

	Chains.	
	45.00	Old drag-road bears E. and W.
	50.00	Wire fence, bears E. and W.
	52.60	Wash, 20 lks. wide, 10 ft. deep, drains SE.; continue as
	78.74	The cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the twp., which is
		A quartz, 24x16x10 ins., firmly set in mound of stone at fence cor.; mkd. with 6 grooves on the N. and S. faces, 4 grooves on the W. and 2 grooves on the E. faces. Along side of which
		Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 2, 3, 34 and 35; with brass cap mkd.
		T 17 S R 3 W S 34 | S 35 S 3 | S 2 T 18 S R 3 W
		1920
		Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, gently rolling.
		Soil, light clay and gravel, shallow and rocky.
		Timber, very scattering scrub cedar in the northern portion.
		Undergrowth, dense sagebrush.
		General eastern exposure. Limestone and quartzite formation. Good grazing.

		From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the township, heretofore described.
		North, on resurvey line bet. secs. 33 and 34.
		Asc. over mountainous land, through dense scrub cedar and pinon timber, dense scrub oak, bitter brush and sagebrush undergrowth.
40.03	Fall 1 lk. W. of the $\frac{1}{4}$ sec. cor., which is A limestone, $1\frac{1}{4}$ x3x6 ins. above ground, firmly set; mkd. $\frac{1}{4}$ on the W. face.	The course of this line is therefore N. $0^{\circ} 01'$ E., and

Chains.

the dist. is 40.03 chs.

Continue same line with continuous measurement.

45.00 Canon, drains SW., continue asc.

67.00 Ravine, drains SE.; continue asc.

80.03 Fall 82 lks. E. of the cor. of secs. 27, 28, 33 and 34; subsequently the cor. of secs. 33 and 34, only.

Which is

A limestone, 14x6x8 ins. above ground, firmly set; mkd. with 1 notch on the S. and 3 notches on the E. edges.

Along side of which

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 33 and 34, with brass cap mkd.

S 27

S 33 | S 34

1920

from which

A cedar, 10 ins. diam., bears S. $25^{\circ} 30'$ E.,

79 lks. dist., mkd. T18S R3 W S 34 BT.

A pinon, 16 ins. diam., bears S. $31^{\circ} 45'$ W.,

14 lks. dist., mkd. T18S R3W S 33 BT.

Cor. established 200 ft. above ravine.

The course of this half-mile therefore is N. $1^{\circ} 11'$ W., and the dist. is 40.01 chs.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar in the northern portion; dense in the southern portion. Undergrowth, scrub oak, bitter brush and sagebrush.

General southern exposure. Limestone formation. Good grazing.

From the cor. of secs. 33 and 34.

West, on retracement line along the N. bdy. sec. 33.

40.15 After diligent search, find no evidence of the $\frac{1}{2}$ sec. cor.

80.30 Fall 21 lks. N. of the cor. of secs. 28, 29, 32 and 33.

The course of this line therefore is S. $89^{\circ} 51'$ W., and

Resurvey of Subdivision, T. 18 S., R. 3 W.

Chains.

the dist. is 80.30 chs.

S. $89^{\circ} 51'$ W., on resurvey line along the N. bdy. of sec. 33.

Desc. over mountainous land, through dense scrub cedar and pinon timber, dense sagebrush and bitter brush undergrowth.

2.13 Subsequently the point for the cor. of secs. 27 and 28.
(For description see notes of line bet. secs. 27 and 28.)

6.60 Head of ravine, drains SE.: asc.

13.20 Ridge, bears N. and S., 70 ft. above head of ravine; des.

36.80 Ravine, drains SW., 370 ft. below ridge; leave dense cedar and pinon timber, continue in dense sagebrush over rolling land.

40.15 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the restored $\frac{1}{2}$ sec. cor. for sec. 33, with brass cap mkd.

$\frac{1}{2}$ S. 33

1920

42.13 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. Subsequently. Set an iron post, 3 ft. long, .1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor. for sec. 28, with brass cap mkd.

$\frac{1}{4}$ S 28

1920

80.50 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. The cor. of secs. 28, 29, 32 and 33, which is A limestone, 12x8x8 ins. above ground, firmly set; mkd. with 4 notches on the E. and 1 notch on the S. edges. Along side of which Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground. for the cor. of secs. 28, 29, 32 and 33, with brass cap mkd.

Resurvey of Subdivision, T. 18 S., R. 3 W.

Chains.

T 18 S R 3 W
S 29 S 28
S 32 S 33

1920

from which

A cedar, 18 ins. diam., bears W., 120 lks. dist.

mkd. BT. (old bearing tree)

No other trees within limits suitable for bearing trees.
 Raise a mound of stone 2 ft. base, 1 ft. high W. of cor.
 Land, mountainous in the eastern portion; rolling in
 the western portion.

Soil, light clay and gravel, shallow and rocky.

Timber, dense scrub cedar and pinon in the eastern
 portion.Undergrowth, dense scrub oak and bitter brush in the
 eastern portion; dense sagebrush the entire mile.General southern and southwestern exposure. Limestone
 formation. Good grazing.

From the cor. of secs. 28, 29, 32 and 33.

North, on retracement line bet. secs. 28 and 29.

40.00 After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.80.76 Intersect the old cor. of secs. 20, 21, 28 and 29, now
 the NW. cor. of sec. 29, only.The course of this line therefore is North, and the
 dist. is 80.76 chs.

North, on resurvey line bet. secs. 28 and 29.

Asc. over rolling land, through scattering scrub cedar
 and pinon timber, dense sagebrush, scrub oak and bitter
 brush undergrowth.

28.00 Road, bears NW. and SE.

28.80 Ridge, bears E. and W. 100 ft. above sec. cor.; desc.

35.60 Draw, drains W., 50 ft. below ridge; asc.

40.38 Proportional measurement. Set an iron post, 3 ft. long,
 1 in. diam., 12 ins. in the ground, on solid rock,
 in large mound of stone, for the restored $\frac{1}{4}$ sec. cor.
 for sec. 29, with brass cap mkd.

Resurvey of Subdivision, T. 18 S., R. 3 W.

Chains.

 $\frac{1}{4}$

S 29

1920

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Cor. established on top of spur, projecting W., 50 ft. above draw; desc.
- 42.40 Subsequently. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 28, with brass cap mkd.

 $\frac{1}{4}$

S 28

1920

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
- 73.30 Canon, drains SW., 50 ft. below spur. Road in bottom bears NE. and SW. Asc. abruptly.
- 80.76 The cor. of secs. 20, 21, 28 and 29, now the NE. cor. of sec. 29, only. Which is A limestone, 18x10x6 ins. firmly set in mound of stone; marks illegible. Along side of which Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the NE. cor. of sec. 29, with brass cap mkd.

T 18 S R 3 W

S 29 | S 28

1920

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, SW. of cor. Land, rolling. Soil, light clay and gravel, shallow and rocky. Timber, very scattering scrub cedar and pinon in the southern portion. Undergrowth, dense sagebrush, scattering scrub oak and bitter brush. General southwestern and western exposure. Limestone formation. Good grazing.

100

Resurvey of Subdivision, T. 18 S., R. 3 W.

Chains	
	From the NE. cor. of secs. 29.
	West, on retracement line along the N. bdy. sec. 29.
40.06	After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.
80.12	After diligent search, find no evidence of the cor. of secs. 19, 20, 29 and 30. Leave temp. point.

	From the temp. point for the cor. of secs. 19, 20, 29 and 30.
	West, on retracement line bet. secs. 19 and 30.
40.00	After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.
81.68	Fall 71 lks. N. of the restored cor. for secs. 19, 24, 25 and 30, on the W. bdy. of the twp., heretofore described.
	The proportional measurement of the line along the N. bdy. of sec. 29, therefore is 81.00 chs.
	The proportional measurement of the N. bdy. of sec. 30 is therefore 80.80 chs.
	I return and adjust the temp. points on the above two lines to their true proportional longitudinal positions on the cardinal lines.

	From the cor. of secs. 29, 30, 31 and 32, which is A limestone, 8x8x6 ins. above ground, firmly set; mkd. with 1 notch on the S., and 5 notches on the E. edges. North, on retracement line bet. secs. 29 and 30.
40.00	After diligent search, find no evidence of the $\frac{1}{4}$ sec. cor.
80.00	After diligent search, find no evidence of the cor. of secs. 19, 20, 29 and 30, leave temp. point.
	From this temp. point the proportional point on the E. and W. line for the same cor., bears North, 66 lks. dist.
	of Sec. 29 The course of the north boundary is therefore S. $89^{\circ} 32'$ W., and the dist. is 81.00 chs.
	The course of the N. bdy. of sec. 30 is therefore S. 89°

Resurvey of Subdivision, T. 18 S., R. 3 W.

Chains.

- 58' W., and the dist. is 80.80 chs.
-
- From the NE. cor. of sec. 29.
S. $89^{\circ} 32'$ W., on resurvey line along the N. bdy. of sec. 29.
Asc. over mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush, bitter brush and scattering scrub oak undergrowth,
- 1.38 Subsequently the point for the cor. of sec. 20 and 28.
(For establishment and description, see notes of line bet. secs. 20 and 21.)
- 15.70 Ridge, bears N. and S., 110 ft. above sec. cor.; desc.
- /40.50 Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 29, with brass cap mkd.
- $\frac{1}{4}$ S 29
- 1920
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. No trees within limits suitable for bearing trees.
- /41.58 Subsequently. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 20, with brass cap mkd.
- $\frac{1}{4}$ S 20
- 1920
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.
- 42.50 Ravine, drains S., 240 ft. below ridge; asc.
- 48.70 Ridge, bears N. and S., 40 ft. above ravine; desc. gradually.
- 59.00 Ravine, drains SE., 40 ft. below ridge; asc. gradually.
- 81.00 Proportional measurement. Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the restored cor. of secs. 29 and 30, with brass cap mkd.

Resurvey of Subdivision, T. 18 S., R. 5 W.

Chains.

T 18 S R 3 W
S. 20

S 30 | S 29

1920

Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.
Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush and bitter brush, scattering
scrub oak.

General southwestern exposure. Limestone formation.

Good grazing.

From the cor. of secs. 29 and 30.

S. $89^{\circ} 58'$ W., on resurvey line along the N. bdy. of
sec. 30.

Desc. over gently rolling land, through scattering
scrub cedar and pinon timber, dense sagebrush, bitter
brush and scrub oak undergrowth.

.78 Subsequently the point for the cor. of secs. 19 and 20.

(For establishment and description, see notes of line
bet. secs. 19 and 20.)

7.70 Road, bears N. and S.

18.90 Road, bears NE. and SW.

32.50 Wire fence, bears N. and S. Irrigation ditch, 10 lks.
wide, 5 ft. deep, drains S. Start desc. into Cotton-
wood or Eight Mile Creek.

36.00 Old road, bears NE. and SW.

40.44 Proportional measurement. Set an iron post, 3 ft. long,
1 in. diam., 16 ins. in the ground, on solid rock, in
large mound of stone, for the restored $\frac{1}{2}$ sec. cor. for
sec. 30, with brass cap mkd.

$\frac{1}{4}$ S 30

1920
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.
No trees within limits suitable for bearing trees.

40.60 Old road, bears NW. and SE.

Chains.

40.78 Subsequently. Set an iron post, 3 ft. long, 1 in. diam., $2\frac{1}{4}$ ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 19, with brass cap mkd.

 $\frac{1}{2}$ S 19

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.

42.40 Cottonwood or Eight Mile Creek, 20 iks. wide, dry, course SW.; asc.

44.40 Wire fence, bears NE. and SW.

51.60 Spur, projects SW., 100 ft. above Cottonwood Creek; desc.

58.10 Ravine, drains S., 110 ft. below spur. Road in bottom bears N. and S.; asc.

74.60 Ridge, bears N. and S., 100 ft. above ravine; desc.

80.80 Proportional measurement. The cor. of secs. 19, 24, 25 and 30 on the W. bdy. of the twp., heretofore described. Land, rolling.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon; cottonwood along Cottonwood Creek.

Undergrowth, dense sagebrush, scrub oak and bitter brush.

General southern exposure. Limestone formation. Good grazing.

Survey of a Portion of the W. Bdy., T. 18 S., R. 3 W.
From the cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the twp., heretofore described.

North, on random line along the W. bdy. of twp., leaving temp. $\frac{1}{4}$ sec. cor. at 42.40 chs. and at intervals of 40 chs. thereafter, for temp. $\frac{1}{4}$ sec. and sec. cors.

522.40 A computed northing. Set temp. cor. for twps. 17 and 18 S., Rgs. 3 and 4 w.

From the temp. cor. for tps. 17 and 18 S., Rgs. 3 and 4 w.,

10

Survey of Portion of the N. Bdy., T. 18 S., R. 5 W.

Chains.

East, on random line along the N. bdy. of twp. setting temp. $\frac{1}{2}$ sec. and sec. cors at intervals of 40 chs.

320.54 Fall 109 lks. S. of the cor. of secs. 2, 3, 34 and 35, heretofore described.

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the twp.,

West, on true line bet. secs. 3 and 34.

Asc. over mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush, bitter brush and grass undergrowth.

29.00 Ridge, bears NE. and SW., 400 ft. above sec. cor.; desc.

36.80 Draw, drains NE., 50 ft. below ridge; asc.

40.54 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{2}$ sec. cor., with brass cap mkd.

$\frac{S\ 34}{S\ 3}$

1920

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.

51.00 Spur, projects NE., 120 ft. above ravine; desc.

56.00 Ravine, drains NE., 80 ft. below spur; asc. abruptly through dense scrub oak and mahogany undergrowth.

80.54 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 3, 4, 33 and 34, with brass cap mkd.

T 17 S R 5 W
 S 33 | S 34
 S 4 | S 3
 T 18 S R 3 W

1920

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. No trees within limits suitable for bearing trees.

Cor. established 800 ft. above $\frac{1}{2}$ sec. cor.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Chains.	<p>Timber, scattering scrub cedar and pinon. Undergrowth, dense sagebrush, bitter brush and grass; dense scrub oak and mahogany in the western portion. Eastern exposure. Limestone formation. Good grazing.</p> <hr/> <p>From the cor. of secs. 3, 4, 33 and 34. West, on true line bet. secs. 4 and 33. Asc. abruptly over rough and broken mountainous land, through dense scrub oak, mahogany, bitter brush and sagebrush undergrowth, scattering scrub cedar and pinon timber.</p>
6.60	High spur, projects SE., 300 ft. above sec. cor.; thence over nearly level top of spur.
15.00	Start abrupt desc., bears NW. and SE.
.32.60	Ravine, drains SE., 200 ft. below spur; asc. abruptly over broken ledges.
40.00	Point for $\frac{1}{4}$ sec. cor. falls in broken ledges; impracticable to establish permanent cor.
40.80	Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, on solid rock, in large mound of stone, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 33 S 4 WC
	1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.
	Cor. established 200 ft. above ravine; continue abrupt asc.
63.00	Top of mountain; a high rocky ridge, bears N. and S., 3300 ft. above the cor. of secs. 2, 3, 34 and 35. Desc. abruptly.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 4, 5, 32 and 33, with brass cap mkd.

Survey of a Portion of the N. Bdy., T. 18 S., R. 3 W.

100

Chains.

T 17 S	R 3 W
S 32	S 33
S 5	S 4
T 18 S R 3 W	
1920	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No trees within limits suitable for bearing trees.

Cor. established on steep mountain side, 500 ft. below top.

Land, mountainous and broken.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush, scrub oak, mahogany, bitter brush and grass.

Eastern exposure in the eastern portion; western exposure in the western portion. Limestone formation.

Good grazing.

From the cor. of secs. 4, 5, 32 and 33.

West, on N. bdy. of Twp., bet. secs. 5 and 32.

Desc. abruptly over rough mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush bitter brush, mahogany and scrub oak undergrowth.

37.20 Cottonwood or Eight Mile Canon, (dry) drains S., 950 ft. below sec. cor.; asc. abruptly over ledges.

40.00 Point for $\frac{1}{4}$ sec. cor. falls in ledges; impracticable to establish permanent cor.

43.22 Set an iron post, 3 ft. long. 1 in. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S 32
S 5

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

No trees within limits suitable for bearing trees.

Cor. established on rocky spur, projects S., 250 ft. above Cottonwood Canon.

Desc. abruptly.

53.00 Canon, drains SE., 200 ft. below witness $\frac{1}{4}$ sec. cor.; asc.

Survey of a Portion of the N. Bdy., T. 18 S., R. 3 W.

Chains.	
71.40	Spur, projects SE., 500 ft. above canon; thence along broken S. slope of spur.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 5, 6, 31 and 32, with brass cap mkd.
	T 17 S R 3 W S 31 | S 32 S 6 | S 5 T 18 S R 3 W 1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No trees within limits suitable for bearing trees. Land, rough and broken mountainous. Soil, light clay and gravel, shallow and rocky. Timber, scattering scrub cedar and pinon. Undergrowth, dense sagebrush, mahogany, scrub oak, bitter brush and grass. General southern exposure. Limestone and quartzite formation. Good grazing.
<hr/>	
	From the cor. of sec. 5, 6, 31 and 32. West, on N. Bdy. of twp., bet. secs. 6 and 31. Desc. gradually along broken S. slope of spur, over broken mountainous land, through scattering scrub cedar and pinon timber, dense scrub oak, mahogany, sagebrush and bitter brush undergrowth.
15.00	Canon, drains SE., 100 ft. below sec. cor.; asc. abruptly.
29.90	Ridge, bears N. and S., .600 ft. above canon; desc.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{2}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 31 S 6
	1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.

Survey of a Portion of the N. Bdy., T. 18 S., R. 2 W.

Chains.

- 42.10 Canon, drains S., 350 ft. below ridge; asc. abruptly.
- 53.40 Ridge, bears N. and S., 250 ft. above canon; desc..
- 64.00 Head of canon, drains S., 200 ft. below ridge; asc.
- 75.00 Ridge, bears NE. and SW., 200 ft. above head of canon; desc. abruptly.
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 14 ins. in the ground, on solid rock, in large mound of stone, for the cor. of tps. 17 and 18 S., Rgs. 3 and 4 W., with brass cap mkd.

T 17 S	R 4 W
R 4 W	R 3 W
S 36	S 31
S 1	S 6

T 18 S
1920 from which

A pine, 14 ins. diam., bears S. 89° E.,
4 lks. dist., mkd. T18S R3W S6 BT.

No other trees within limits suitable for bearing trees.
Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high S. of cor.
Cor. established on N. slope, 90 ft. below top of
ridge.

Land, rough and broken mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon, a few scattering pine in the western portion.

Undergrowth, dense sagebrush, scrub oak, mahogany,
bitter brush and grass.

General southern exposure. Limestone and quartzite
formation. Good grazing.

Survey of a Portion of the W. Bdy., T. 18 S., R. 3 W.

From the cor. of tps. 17 and 18 S., Rgs. 3 and 4 W.

South, on W. bdy. of twp., bet. secs. 1 and 6.

Asc. abruptly over rough and broken mountainous land,
through scattering scrub cedar, pinon and pine
timber, dense sagebrush, bitter brush, scrub oak
and mahogany undergrowth.

2.60 Ridge, bears NE. and SW., 90 ft. above twp. cor.; desc.

Survey of a Portion of the W. Bdy., T. 18 S., R. 3 W.

Chains.

abruptly. Leave scattering timber.

- 40.00 Point for cor. falls in broken ledges, bears N. and S., impracticable to establish permanent cor. within 10 chs. dist. from true cor. point on line; therefore at a point 70 lks. E. of line. Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on solid rock, in large mound of stone, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.

WC	$\frac{1}{4}$
S 1	S 6

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Cor. established 350 ft. below ridge; continue desc.

- 47.00 Ravine, drains E., 130 ft. below $\frac{1}{4}$ sec. cor.; asc.
 55.70 Ridge, bears NW. and SE., 80 ft. above ravine; desc.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 1, 6, 7 and 12, with brass cap mkd.

T 18 S	
R 4 W	R 3 W
S 1	S 6
<hr/> S 12 | S 7	

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Cor. established 520 ft. below ridge, on W. slope of rocky ridge.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon in the northern portion.

Undergrowth, dense sagebrush, scrub oak, mahogany and bitter brush.

General southern exposure. Limestone and quartzite formation. Good grazing.

Chains.

From the cor. of secs. 1, 6, 7 and 12.

Southw on the W. bdy. of the twp., bet. secs. 7 and 12.

Desc. over mountainous land, through very scattering scrub cedar and pinon timber, dense sagebrush, scrub oak, mahogany and bitter brush undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd. $\frac{1}{4}$

S 12. | S 7

Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Cor. set in ravine drains, SE.; ascends along W. slope.69.60 Ridge, bears NW. and SE., 150 ft. above $\frac{1}{4}$ sec. cor.; desc.

79.30 Ravine, drains SE., 200 ft. below ridge; asc.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 7, 12, 13 and 18, with brass cap mkd.

T 18 S	
R 4 W	R 3 W
S 12	S 7
S 13	S 18

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Cor. established in dense maple undergrowth.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush, scrub oak, mahogany; dense maple in ravines.

General southeastern exposure. Limestone formation.

Good grazing.

From the cor. of secs. 7, 12, 13 and 18.

South, on W. bdy. of twp., bet. secs. 13 and 18

Survey of a Portion of the W. Bdy., T. 18 S., R. 3 W.

Chains.

Asc. over rolling mountainous land, through dense scrub oak, mahogany, and sagebrush undergrowth.

18.10 Spur, projects SE., 80 ft. above sec. cor.; desc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{2}$ sec. cor., with brass cap mkd.

 $\frac{1}{2}$

S. 13 | S. 18

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

48.30 Spur, projects SE., 40 ft. above $\frac{1}{4}$ sec. cor.; desc.

72.30 Old road, bears NE. and SW.

74.80 Wash in canon, 20 lks. wide. 10 ft. deep, drains SW.; continue desc.

80.00 Set an iron post, 3 ft. long, 2 in. diam., 24 ins. in the ground, for the cor. of secs. 13, 18, 19 and 24, with brass cap mkd.

		T 18 S
R 4 W	R 3 W	
S 13	S 18	
S 24	S 19	

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, a few scattering scrub cedar and pinon.

Undergrowth, dense sagebrush, scrub oak, mahogany and maple along bottom of canons and ravines.

General eastern exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 13, 18, 19 and 24.

South, on W. bdy. of twp., bet. secs. 19 and 24.

Asc. over rolling land, through scattering scrub cedar and pinon timber, dense scrub oak, mahogany and bitter brush undergrowth.

Survey of a Portion of the W. Bdy., T. 18 S., R. 3 W.

Chains.

6.10	Ridge, bears NE. and SW., 150 ft. above sec. cor; desc. gradually.
7.50	Old road, bears NE. and SW.
18.60	Leave dense scrub oak and mahogany undergrowth, bears E. and W., continue in dense sagebrush.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ sec. cor. post
	S 24 | S 19
	1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
77.80	Ravine, drains SW., 180 ft. below $\frac{1}{4}$ sec. cor.; asc.
83.49	The cor. of secs. 19, 24, 25 and 30, heretofore described. Land, rolling. Soil, light clay and gravel, shallow and rocky. Timber, a few scattering scrub cedar and pinon. Undergrowth, dense scrub oak and mahogany on northern portion; dense sagebrush and bitter brush on entire mile. General southern exposure. Limestone formation. Good grazing.

Subdivision of T. 18 S., R. 3 W.

From the cor. of secs. 5, 6, 31 and 32, on the N. bdy. of the twp., heretofore described.

S. $0^{\circ} 01'$ W., bet. secs. 5 and 6,

Desc. over rough mountainous land, through very scattering scrub cedar and pinon timber, dense sagebrush, scrub oak, and mahogany undergrowth.

8.00	Canon, drains SE., 180 ft. below sec. cor.; asc.
12.00	Steep rocky point, projects E., 100 ft. above ravine; desc.
21.00	Ravine, drains E., 130 ft. below rocky point; asc.

Subdivision of T. 18 S., R. 3 W.

49.00 Point for t sec. cor., falls in ledges; impracticable to set permanent; sec. cor.

51.55 Set an iron post, 5 ft. long, 1 in. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the witness & sec. cor., with brass cap mkd.

	W C
S 6	S 5

1920

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. No trees within limits suitable for bearing trees.

Cor. established 200 ft. above ravine; continuo asc.

51.30 Ridge, bears NW. and SE., 10 ft. above witness & sec. cor.; desc. abruptly.

59.10 Head of draw, drains SE., 460 ft. below ridge; asc. gradually along E. slope of N. and S. ridge.

70.10 Spur, projects SE., 20 ft. above head of draw; desc. abruptly.

50.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground, on solid rock, in large mound of stone, for the cor. of nos. 5, 6, 7 and 8, with brass cap mkd.

T 18 S R 3 W			
S 6	S 5		
S 7	S 8		

1920

from which

A mahogany, 16 ins. diam., bears S. 9° E.,
43 lns. dist., mkd. T18S R3W 38 RT.

A mahogany, 8 ins. diam., bears S. 53° E.,
16 lns. dist., mkd. T18S R3W 37 RT.

No other trees within limits suitable for bearing trees.
Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, very scattering scrub cedar and pinon.

Undergrowth, dense sagebrush, scrub oak, mahogany and bitter brush.

General eastern exposure. Limestone formations with

Subdivision of T. 18 S., R. 3 W.

Chains.	grazing.

	From the cor. of secs. 5, 6, 7 and 8.
	West, on random line bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor..
80.16	Intersect the W. bdy. of the twp., 7 lks. S. of the cor. of secs. 1, 6, 7, and 12, heretofore described. S. $89^{\circ} 57'$. E., on true line bet. secs. 6 and 7. Asc. over mountainous land, through scattering scrub cedar and pinon timber, dense scrub oak, mahogany, bitter brush and sagebrush undergrowth.
7.60	Ridge, bears N. and S., 200 ft. above sec. cor.; desc. abruptly over steep quartz ledges.
34.20	Canon, drains S., 600 ft. below ridge; asc.
40.08	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 6 $\frac{1}{4}$ S 7
	1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
46.50	Ridge, bears NW. and SE., 250 ft. above canon; desc.
55.20	Ravine, drains SE., 200 ft. below ridge; asc.
65.00	Ridge, bears NW. and SE., 300 ft. above ravine; desc.
73.50	Steep quartz ledges, bears NW. and SE.; desc. abruptly.
80.16	The cor. of secs. 5, 6, 7 and 8, 400 ft. below ridge. Land, rough mountainous. Soil, light clay and gravel, shallow and rocky. Timber, scattering with scattering clusters of dense cedar and pinon. Undergrowth, dense sagebrush, scrub oak, mahogany, bitter brush, and dense maple in bottom of canons. General southern exposure. Limestone and quartz formation. Good grazing.

	From the cor. of secs. 5, 6, 7, and 8.

Subdivision of T. 18 S., R. 3 W.

Chains.

S. 0° 01' W., bet. secs. 7 and 8.

Desc. over mountainous land, through, scattering scrub cedar and pinon timber, dense sagebrush, mahogany, scrub oak and maple undergrowth.

29.90 Canon, drains SE. from NE., 340 ft. below sec. cor.; asc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{2}$ sec. cor., with brass cap mkd.

$\frac{1}{2}$

S 7	S 8
-----	-----

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No trees within limits suitable for bearing trees.

Cor. established 80 ft. above canon; continue asc.

47.10 Ridge, bears NW. and SE., 200 ft. above canon; desc. gradually along west side of spur.

30.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 7, 8, 17 and 18, with brass cap mkd.

T 18 S R 3 W

S 7 : S 8

S 18	S 17
------	------

1920

from which

A cedar, 24 ins. diam., bears N. 16° 30' E., 51 lks. dist., mkd. T18S R3W S8 BT.

A cedar, 20 ins. diam., bears S. 25° E., 36 lks. dist., mkd. T18S R3W S17 BT.

No other trees within limits suitable for bearing trees. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Cor. established 350 ft. below crossing of spur.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush, scrub oak, mahogany and maple undergrowth.

General southern exposure. Limestone and quartzite

Subdivision of T. 18 S., R. 3 W.

Chains.	formation. Good grazing.

	From the cor. of secs. 7, 8, 17 and 18.
	N. $89^{\circ} 57'$ W., on random line bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
79.96	Intersect. the W. bdy. of the twp., 12 lks. S. of the cor. of secs. 7, 12, 13 and 18, heretofore described.
	S. $89^{\circ} 52'$ E., on true line bet. secs. 7 and 18.
	Desc. over rough mountainous land, through scattering scub cedar and pinon timber, dense scrub oak, mahogany, maple and sagebrush undergrowth.
3.50	Ravine, drains SE., 50 ft. below sec. cor.; asc.
8.00	Spur, projects SE., 80 ft. above ravine; desc.
15.00	Canon, drains SW., 130 ft. below spur; asc. abruptly.
39.98	Set an iron post, 3 ft.. long, 1 in. diam., 12 ins. in the ground,. on solid rock, in large mound of stone, for the $\frac{1}{2}$ sec., cor., with brass cap mkd.
	$\frac{1}{2}$ S 7 S 18
	1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	No treec within limits suitable for bearing trees.
	Cor. established on spur, projects S., 400 ft. above canon; desc.
49.20	Ravine, drains SW., 280 ft. below $\frac{1}{2}$ sec. cor.; asc.
56.70	Spur, projects SW., 140 ft. above ravine; desc.
73.50	Ravine, drains S., 170 ft. below spur; asc.
79.96	The cor. of secs. 7, 8, 17 and 18, 190 ft. above ravine. Land, mountainous. Soil, light clay and gravel, shallow and rocky. Timber, scattering scrub cedar and pinon. Undergrowth; dense sagebrush, scrub oak, mahogany and maple. General southern exposure. Limestone and quartzite formation. Good grazing.

Survey of Subdivision, T. 18 S., R. 3 W.

Chains.

From the cor. of secs. 7, 8, 17 and 18.

S. $0^{\circ} 01'$ W., bet. secs. 17 and 18.

Desc. over mountainous land, through, scattering scrub cedar and pinon timber, dense sagebrush, scrub oak, mahogany and bitter brush undergrowth.

18.00 Ravine, drains SE., 250 ft. below sec. cor.; continue desc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 18	$\frac{1}{4}$	S 17
------	---------------	------

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No trees within limits suitable for bearing trees.

Cor established on spur, projecting SE., level with bottom of ravine; continue desc.

72.30 Cottonwood or Eight Mile Canon, drains SW., 380 ft. below $\frac{1}{4}$ sec. cor. Stream, 10 lks. wide, 2 ins deep, clear water in bottom of canon; asc.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 17, 18, 19 and 20, with brass cap mkd.

T 18 S R 3 W
S 18 . S 17

S 19	S 20
------	------

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No trees within limits suitable for bearing trees.

Cor. established 100 ft. above canon.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon; dense maple and cottonwood along Cottonwood Canon.

Undergrowth, dense sagebrush, scrub oak, mahogany and

Subdivision of T: 18 S., R. 3 W.

Chains.	bitter brush. General southern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 17, 18, 19 and 20.
	N. $89^{\circ} 52'$ W., on random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.16	Intersect the W. bdy. of the twp., 14 lks. S. of the cor. of secs. 13, 18, 19 and 24, heretofore described. S. $89^{\circ} 46'$ E., on true line bet. secs. 18 and 19. Asc. over rolling mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush, scrub oak; and bitter brush undergrowth.
10.00	Road on top of ridge, bears NE. and SW., 100 ft. above sec. cor.; desc. gradually.
40.08	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 18 $\frac{1}{4}$ S 19
	1920
	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.
	Continue desc.
44.10	Ravine, drains SW., 50 ft. below $\frac{1}{4}$ sec. cor.; asc.
60.50	Ridge, bears NE. and SW., 90 ft. above ravine; desc. abruptly.
73.90	Cottonwood or Eight Mile Canon drains SW., 150 ft. below ridge. Stream, 10 lks. wide, 2 ins. deep, water clear, course SW.; asc. abruptly.
80.16	The cor. of secs. 17, 18, 19, and 20, 180 ft. above canon. Land, rolling mountainous. Soil, light clay and gravel, shallow and rocky. Timber, scattering scrub cedar and pinon; dense cotton-

Subdivision of T. 18 S., R. 3 W.

wood and maple along Cottonwood Canon.
 Undergrowth, dense scrub oak, sagebrush and bitter brush.
 General southern exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 17, 18, 19 and 20.

S. $0^{\circ} 01'$ W., bet. secs. 19 and 20.

Asc. gradually over rolling land, through scattering scrub cedar and pinon timber, dense sagebrush, scrub oak, mahogany and bitter brush undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$

S 19 | S 20

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees. Desc. gradually.

82.82 Intersect the N. bdy. of sec. 30. S. $89^{\circ} 58'$ W., 78 lks. from the cor. of secs. 29 and 30. At point of intersection.

Set an iron p st, 3 ft. long, 2 ins. diam., 18 ins. in the ground, in mound of stone, for the cor. of secs. 19 and 20, with brass cap mkd.

T 18 S | R 3 W
S 19 | S 20
 S 30

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees. Land, rolling.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush, scrub oak, mahogany, bitter brush and grass.

Survey of Subdivision, T. 18 S., R. 3 W.

Chains.

General southern exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 4, 5, 32 and 33, on the N. bdy. of the typ., heretofore described:

S. $0^{\circ} 02'$ W., bet. secs. 4 and 5.

Desc. gradually over mountainous land, along broken W. slope of mountain, through scattering scrub cedar and pinon timber, dense scrub oak; mahogany, sagebrush, service brush and bitter brush undergrowth.

40.00 Point for $\frac{1}{2}$ sec. cor. falls on barren quartzite outcrop, impracticable to set permanent cor.

50.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the witness $\frac{1}{2}$ sec. cor., with brass cap mkd.

$\frac{1}{2}$
W C

S 5 | S 4

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No trees within limits suitable for bearing trees.

Asc. slightly from witness cor.

54.30 Spur, projects SW., 30 ft. above witness $\frac{1}{2}$ sec. cor.; desc. abruptly.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 4, 5, 8 and 9, with brass cap mkd.

T 18 S R 3 W
S 5 | S 4
S 8 | S 9

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rough and broken mountainous.

Soil, light clay and gravel; shallow and rocky.

Timber, scattering scrub cedar and pinon.

Subdivision of T. 18 S., R. 3 W.

Chains.

- Undergrowth, dense sagebrush, scrub oak, mahogany, service brush and bitter brush.
- Western exposure in the northern portion; southern expos in the southern portion. Limestone and quartzite formation. Good grazing.
-
- From the cor. of secs. 4, 5, 8 and 9.
- West, on random line bet. secs. 5 and 8.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.28 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 5, 6, 7, and 8.
- S. $89^{\circ} 58'$ E., on true line bet. secs. 5 and 8.
- Desc. gradually over mountainous land, through scattering scrub cedar and pinon timber, dense scrub oak, mahogany and sagebrush undergrowth.
- 1.70 Head of ravine, drains SE., 20 ft. below sec. cor.; asc.
- 12.70 Ridge, bears NW. and SE., 160 ft. above head of ravine; desc. abruptly.
- 25.30 Ravine. drains SE., 250 ft. below ridge; asc.
- 35.10 Spur, projects SE., 150 ft. above ravine; desc. abruptly.
- 40.14 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
- $\frac{1}{4}$ S 5
S 8
- 1920
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Cor. established 230 ft. below spur; continue desc,
- 46.30 Cottonwood or Eight Mile Canon, 160 ft. below $\frac{1}{4}$ sec. cor. Stream, 10 lks. wide, 2 ins. deep, clear, cold water, course SW., in bottom of canon; asc. abruptly.
- 67.70 Spur, projects SW., 300 ft. above Cottonwood Canon; desc. abruptly.
- 80.28 The cor. of secs. 4, 5, 8 and 9, 380 ft. below spur. Land, mountainous.
- Soil, light clay and gravel, shallow and rocky.

Survey of Subdivision, T. 18 S., R. 3 W.

Chains.

Timber, scattering scrub cedar and pinon.
 Undergrowth, dense scrub oak, mahogany and sagebrush.
 General southern exposure. Limestone and quartzite
 formation. Good grazing.

From the cor. of secs. 4, 5, 8 and 9.

S. 0° 02' W., bet. secs. 8 and 9.

Desc. over mountainous land, through scattering scrub
 cedar and pinon timber, dense mahogany, scrub oak and
 sagebrush undergrowth.

- 16.20 Ravine, drains SW., 250 ft. below sec. cor. Small
 spring approximately 8 chs. SW. of line. Asc.
- 29.40 Ridge, bears NE. and SW., 250 ft. above ravine; asc.
 gradually along E. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in
 the ground, on solid rock, in large mound of stone
 for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{2}$	
S 8	S 9
1920	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 No trees within limits suitable for bearing trees.

Cor. established in head of draw, drains NE.; continue
 asc.

- 62.00 Ridge, bears E. and W., 120 ft. above $\frac{1}{4}$ sec. cor.; desc.
 through dense cedar and pinon timber.
- 73.80 Ravine, drains SW., 200 ft. below ridge; asc. gradually.
- 76.80 Small spur, projects W., 20 ft. above ravine; desc.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in
 the ground, on solid rock, in large mound of stone,
 for the cor. of secs. 8, 9, 16 and 17, with brass cap
 mkd.

T 18 S R 3 W	
S 8	S 9
S 17	S 16

1920

from which

Subdivision of T. 18 S., R. 3 W.

Chains.

A pinon, 20 ins. diam., bears N. $49^{\circ} 30'$ E.,
77 lks. dist., mkd. T18S R3W S9 BT.

A pinon, 36 ins. diam., bears S. $22^{\circ} 30'$ E.,
53 lks. dist., mkd. T18S R3W S16 BT.

A pinon, 24 ins. diam., bears S. 29° W.,
43 lks. dist., mkd. T18S R3W S17 BT.

A pinon, 24 ins. diam.; bears N. 68° W.,
33 lks. dist., mkd. T18S R3W S8 BT.

Cor. established 40 ft. below spur.

Land; mountainous.

Soil; light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon in the northern portion; dense in the southern portion. Undergrowth dense mahogany, scrub oak, and sagebrush. Northeastern exposure in the northern portion; southern exposure in the southern portion. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 8, 9, 16 and 17.

N. $89^{\circ} 58'$ W., on random line bet. secs. 8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.30 Intersect the N. and S. line, 2 lks. S. of the cor. of secs. 7, 8, 17 and 18.

S. $89^{\circ} 57'$ E., on true line bet. secs. 8 and 17.

Asc. over mountainous land through scattering scrub cedar and pinon timber; dense mahogany, scrub oak and sagebrush undergrowth.

9.40 Spur, projects SE., 60 ft. above sec. cor.; desc.

28.70 Cottonwood or Eight Mile Canon, drains SW., 380 ft. below spur. Ascend.

40.15 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, on solid rock, in large mound of stone for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

Subdivision of T. 18 S., R. 3 W.

Chains.

 $\frac{1}{4} \text{ S } 8$
 $\text{S } 17$

1920

Raise a mound of stone, 2 ft. base 1/2 ft. high, N. of cor.

No trees within limits suitable for bearing trees.

Cor. established 150 ft. above Cottonwood Canon; continue asc.

60.50 Spur, projects SW., 360 ft. above $\frac{1}{4}$ sec. cor.; desc.

75.10 Ravine, drains SW., 50 ft. below spur; asc.

80.30 The cor. of secs. 8, 9, 16 and 17, 150 ft. above ravine.
Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon, becoming dense in the eastern portion. Dense cottonwood and maple along Cottonwood Canon

Undergrowth, dense scrub oak, mahogany and sagebrush.

General southern exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 8, 9, 16 and 17.

S. $0^{\circ} 02'$ W.; bet. secs. 16 and 17.

Desc. over mountainous land, through dense scrub cedar and pinon timber, dense sagebrush, scrub oak and mahogany undergrowth.

2.00 Small ravine drains W., 20 ft. below sec. cor.; asc.

8.20 Spur, projects W., 50 ft. above ravine; desc.

14.50 Ravine, drains W., 50 ft. below spur; asc.

24.20 Ridge, bears NE. and SW., 20 ft. above ravine; desc.
abruptly. Leave dense, enter scattering cedar and pinon timber.40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone for the $\frac{1}{4}$ sec. cor.; with brass cap mkd. $\frac{1}{4} \text{ S } 17$ | $\text{S } 16$

1920

Subdivision of T. 18 S., R. 3 W.

	Chains.	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No trees within limits suitable for bearing trees. Cor. established 270 ft. below ridge; continue desc.
80.00		Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 16, 17, 20 and 21, with brass cap mkd.
		T 18 S R 3 W <u>S 17</u> | <u>S 16</u> <u>S 20</u> | <u>S 21</u>
		1920
		Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No trees within limits suitable for bearing trees. Cor. established 500 ft. below $\frac{1}{4}$ sec. cor. Land, mountainous. Soil, light clay and gravel, shallow and rocky. Timber, dense scrub cedar and pinon in the northern portion; scattering in the southern portion. Undergrowth, dense scrub oak, mahogany and sagebrush. Western exposure in the northern portion; southern exposure in the southern portion. Good grazing.
<hr/>		
		From the cor. of secs. 16, 17, 20 and 21.
		N. $89^{\circ} 57'$ W., on random line bet. secs. 17 and 20.
40.00		Set temp. $\frac{1}{2}$ sec. cor.
80.32		Intersect the N. and S. line, 16 lks. S. of the cor. of secs. 17, 18, 19 and 20. S. $89^{\circ} 50'$ E., on true line bet. secs. 17 and 20.
		Asc. over rolling mountainous land, through dense scrub cedar and pinon timber, dense scrub oak, mahogany, bitter brush and sagebrush undergrowth.
16.10		Ridge, bears N. and S., 80 ft. above sec. cor.; desc.
30.90		Ravine, drains S., 180 ft. below ridge. Leave dense, enter scattering timber.
40.16		Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

Subdivision of T. 18 S., R. 3 W.

Chains.

 $\frac{1}{4}$ S 17
S 20

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Cor. established 150 ft. above ravine; continue asc.

47.00 Ridge, bears NE. and SW., 120 ft. above $\frac{1}{4}$ sec. cor.; desc.

57.30 Ravine, drains SW., 30 ft. below ridge; asc.

60.50 Spur, projects SW., 40 ft. above ravine; desc.

80.32 The cor. of secs. 16, 17, 20 and 21, 150 ft. below spur.

Land, rolling mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, dense scrub cedar and pinon in the western portion; scattering in the eastern portion.

Undergrowth, dense sagebrush, scrub oak, mahogany and bitter brush.

General southern exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 16, 17, 20 and 21

S. $0^{\circ} 02'$ W., bet. secs. 20 and 21.

Desc. over rolling mountainous land, through scattering scrub cedar and pinon timber; dense sagebrush, scrub oak, mahogany and bitter brush undergrowth.

1.50 Draw, drains SE., 20 ft. below sec. cor.; asc.

8.50 Spur, projects SE., 30 ft. above ravine; desc.

23.40 Ravine, drains SE., 120 ft. below spur; asc.

36.60 Spur, projects SE., 30 ft. above ravine; desc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd. $\frac{1}{4}$

S 20 | S 21

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No trees within limits suitable for bearing trees.

Subdivision of T. 18 S., R. 3 W.

Chains.

- Cor. established 20 ft. below spur; desc. gradually.
 49.10 Head of draw, drains E., 60 ft. below $\frac{1}{2}$ sec. cor.; asc.
 64.30 Ridge, bears NE. and SW., 40 ft. above draw; desc. Leaf scattering, enter dense timber.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone for the cor. of secs. 21 and 28, with brass cap mkd.

T 18 S R 3 W

S 20 | S 21
S 28

1920

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor. No trees within limits suitable for bearing trees.
 81.64 Intersect the N. bdy. of sec. 29, 138 lks. S. $89^{\circ} 32'$ W. from the NE. cor. of sec. 29, heretofore described.

At point of intersection

- Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 20 and 28, with brass cap mkd.

T 18 S R 3 W

S 20 | S 28
S 29

1920

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.

Cor. established 150 ft. below ridge.

Land, rolling mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon in the northern portion; dense in the southern portion.

Undergrowth, dense sagebrush, scrub oak, mahogany and bitter brush.

General eastern exposure.

Limestone and quartzite formation. Good grazing.

From the cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the twp. heretofore described.

Subdivision of T. 18 S., R. 3 W.

Chains.

- S. 40° 02' W., abt. secs. 3 and 4.
 Asc. over rough and broken mountainous land, through dense scrub cedar and pinon timber, dense scrub oak, sagebrush, mahogany, bitter brush and manzanita undergrowth.
- 9.60 Spur, projects SE, 130 ft. above sec. cor.; desc. abruptly over limestone ledges.
- 29.50 Canon, drains E., 780 ft. below spur; asc. gradually.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{2}$ sec. cor., with brass cap mkd.
- S 4 | S 3
S 9 | S 10
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No trees within limits suitable for bearing trees.
- Cor. established 200 ft. above canon; continue asc.
- 47.60 Spur, projects E., 40 ft. above $\frac{1}{2}$ sec. cor.; desc.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 3, 4, 9 and 10, with brass cap mkd.

T 18 S R 3 W

S 4 | S 3

S 9 | S 10

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No trees within limits suitable for bearing trees.

Cor. established 160 ft. below spur.

Land, rough mountainous in the northern portion; mountainous in the southern portion.

Soil, light clay and gravel, shallow and rocky.

Timber, dense scrub cedar and pinon in the northern portion, becoming more scattering in the southern portion.

Undergrowth, dense scrub oak, sagebrush, mahogany, bitter brush and manzanita.

Subdivision of T. 18 S., R. 3 W.

Chains.	
	Northeastern exposure in the extreme northern portion; southeastern exposure in the southern portion. Limestone and quartzite formation. Good grazing.
	From the cor. of secs. 3, 4, 9 and 10. .
	West, on random line bet. secs. 4 and 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.84	Intersect the N. and S. line, 5 lks. N. of the cor. of secs. 4, 5, 8 and 9. N. $89^{\circ} 58'$ E., on true line bet. secs. 4 and 9. Desc. over rolling mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush, scrub oak, mahogany and bitter brush undergrowth.
12.00	Ravine, drains SW., 100 ft. below sec. cor.; asc.
30.80	Ridge, bears NE. and SW., 200 ft. above ravine; desc. abruptly over rough and broken mountainous land, through, dense undergrowth.
31.00	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 4 S 9 WC
	1920
39.93	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. True point for the $\frac{1}{4}$ sec. cor. falls on steep, rocky, mountain side, impracticable to establish permanent cor.
	Continue abrupt desc. over broken mountainous land.
79.84	The cor. of secs. 3, 4, 9 and 10, 900 ft. below witness sec. cor. Land, rolling mountainous in the western portion; rough and broken mountainous in the eastern portion. Soil, light clay and gravel, shallow and rocky. Timber, scattering scrub cedar and pinon. Undergrowth, dense sagebrush, mahogany, scrub oak and manzanita.

Subdivision of T. 18 S., R. 3 W.

Chains.

Southwestern exposure in the western portion; eastern exposure in the eastern portion. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 3, 4, 9 and 10.

East, on random line bet. secs. 3 and 10.

40.00

Set temp. $\frac{1}{2}$ sec. cor.

79.72

Intersect the N. and S. line, 12 lks. S. of the cor. of secs. 3 and 10, heretofore described.

S. $89^{\circ} 55'$ W., on true line bet. secs. 3 and 10.

Asc. over mountainous land, through dense sagebrush scrub oak, mahogany, and bitter brush.

39.72

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{2}$ sec. cor., with brass cap mkd.

$\frac{1}{2}$ S 3
S 10

1920.

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

Cor. established 800 ft. above sec. cor.; continue asc.

42.90

Ridge and ledges, bears NE. and SW., 60 ft. above $\frac{1}{2}$ sec. cor. Enter dense scrub cedar and pinon timber, dense scrub oak, mahogany and bitter brush undergrowth.

72.20

Bottom of Long Canon, drains NE., 250 ft. below ridge; asc.

79.72

The cor. of secs. 3, 4, 9 and 10; 150 ft. above canon bottom.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, dense scrub cedar and pinon in the western portion.

Undergrowth, dense sagebrush; dense scrub oak, mahogany and bitter brush on the entire mile.

Eastern exposure in the eastern portion; western exposure in the western portion. Good grazing.

Subdivision of T. 18 S., R. 5 W.

- Chains. From the cor. of secs. 3, 4, 9 and 10.
 S. $0^{\circ} 02'$ W., bet. secs. 9 and 10.
 Desc. over mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush, scrub oak, mahogany and bitter brush undergrowth.
- 8.00 Long Canon, drains NE., 80 ft. below sec. cor.; asc. abruptly. Leave dense undergrowth, enter dense timber.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{2}$ sec. cor., with brass cap mkd.
- | | | |
|-----|---------------|------|
| S 9 | $\frac{1}{4}$ | S 10 |
|-----|---------------|------|
- 1920
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Trees too scrubby for bearing trees.
- Continue abrupt asc.
- 46.30 Ridge, bears NE. and SW., 900 ft. above Long Canon, and 100 ft. above $\frac{1}{2}$ sec. cor.; leave dense timber, enter dense mahogany undergrowth.
- 55.90 Ravind, drains SE., 200 ft. below ridge; asc. along broken W. slope of ridge.
- 80.00 Set an iron post., 3 ft. long, 2 ins. diam., 8 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 9, 10, 15 and 16, with brass. cap mkd.
- | | | |
|--------------|---------------|------|
| T 18 S R 3 W | $\frac{1}{4}$ | S 10 |
| S 9 | $\frac{1}{4}$ | S 15 |
| S 16 | $\frac{1}{4}$ | S 15 |
- 1920
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, mountainous.
- Soil, light clay and gravel, shallow and rocky.
- Timber, dense scrub cedar and pinon in middle portion of mile.

Chains.	Undergrowth, dense sagebrush, mahogany, scrub oak and bitter brush, on northern portion of mile; dense maple along Long Canon; dense mahogany on southern portion. Northern exposure on northern portion of mile; southern exposure on southern portion. Limestone and quartzite formation. Good grazing.
	From the cor. of secs. 9, 10, 15 and 16.
	S. $89^{\circ} 58'$ W.; on random line bet. secs. 9 and 16.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect the N. and S. line, at the cor. of secs. 8, 9, 16 and 17.
	N. $89^{\circ} 58'$ E., on true line bet. secs. 9 and 16.
	Asc. over mountainous land, through dense scrub cedar and pinon timber, dense sagebrush, scrub oak, and mahogany undergrowth.
15.30	Top of high ridge, bears NE. and SW., 320 ft. above sec. cor.; thinnest along S. slope of mountain through very dense mahogany.
34.00	Head of draw, drains S., 150 ft. below ridge; leave very dense mahogany.
38.40	Small spur projects S., 50 ft. above head of draw; desc. abruptly.
39.97	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	<u>$\frac{1}{4}$ S 9</u> <u>$\frac{1}{4}$ S 16</u>
	1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
53.00	Ravine, drains SE., 250 ft. below $\frac{1}{4}$ sec. cor.; asc.
71.00	Spur, projects SE., 100 ft. above ravine; desc.
79.94	The cor. of secs. 9, 10, 15 and 16, 100 ft. below spur. Land, mountainous. Soil, light clay and gravel, shallow and rocky.

Subdivision of T. 18 S., R. 3 W.

	Chains.	
		Timber, dense scrub cedar and pinon in the western portion; scattering in the eastern portion.
		Undergrowth, dense scrub oak, mahogany, sagebrush and bitter brush.
		General southern exposure. Limestone and quartzite formation. Good grazing.

		From the cor. of secs. 9, 10, 15 and 16.
		N. $89^{\circ} 55'$ E., on random line bet. secs. 10 and 15.
40.00		Set temp. $\frac{1}{4}$ sec. cor.
80.12		Intersect the N. and S. line, 23 lks. N. of the cor. of secs. 10, 11, 14 and 15, heretofore described.
		N. $89^{\circ} 55'$ W., on true line bet. secs. 10 and 15.
		Asc. over mountainous land, through dense sagebrush undergrowth.
40.12		Point for $\frac{1}{4}$ sec. cor., falls in broken ledges, impossible to establish permanent cor.
43.70		Set an iron post, 3 ft. long, 1 in. dia. 6 ins. in ground, on solid rock, in large mound of stone, for the witness $\frac{1}{4}$ sec. cor., with brass cap mkd.
		$\frac{1}{4}$ S 10 $\frac{1}{4}$ S 15 WC
		Raise a mound of stone 1920 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Cor. established on top of high ridge and limestone ledges, bears N. and S., 900 ft. above sec cor.; desc. through dense scrub oak and mahogany undergrowth, and scattering scrub cedar and pinon timber.
49.10		Ravine, drains SW., 120 ft. below witness $\frac{1}{4}$ sec. cor.; asc.
65.60		Spur, projects SW., 60 ft. above ravine; desc.
71.60		Ravine, drains S., 130 ft. below spur; asc.
80.12		The cor. of secs. 9, 10, 15 and 16, 80 ft. above ravine. Land, mountainous.
		Soil, light clay and gravel, shallow and rocky.
		Timber, scattering scrub cedar and pinon on the western portion.

Subdivision of T. 18 S., R. 3 W.

Chains.

Undergrowth, dense sagebrush, entire mile; dense scrub oak, mahogany and bitter brush on western portion.

Eastern exposure on eastern portion; southwestern exposure on western portion. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 9, 10, 15 and 16.

S. $0^{\circ}02'$. W., bet. secs. 15 and 16.

Desc. over mountainous land, through scattering scrub cedar and pinon timber, dense scrub oak, mahogany, bitter brush and sagebrush undergrowth.

35.90 Canon, drains SW., 370 ft. below $\frac{1}{4}$ sec. cor.; asc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, on solid rock, in large mound of stone for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
S 16 | S 15

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Cor. established 30 ft. above canon; continue asc.

52.90 Spur, projects W., 170 ft. above canon; desc.

75.00 Ravine, drains SW., 150 ft. below spur; asc.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 15, 16, 21 and 22, with brass cap mkd.

T 18 S R 3 W

S 16 | S 15
S 21 | S 22

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Cor. established 50 ft. above ravine.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush, scrub oak, mahogany and

Subdivision of T. 18 S., R. 3 W.

Chains.

- and bitter brush.
- General western exposure. Limestone and quartzite formation. Good grazing.
-
- From the cor. of secs. 15, 16, 21 and 22.
- S. $89^{\circ} 58'$ W., on random line bet. secs. 16 and 21.
- 40.00 Set temp. $\frac{1}{2}$ sec. cor.
- 79.70 Intersect the N. and S. line, 19 lks. S. of the cor. of secs. 16, 17, 20 and 21.
- S. $89^{\circ} 54'$ E., on true line bet. secs. 16 and 21.
- Desc. over mountainous land, through, dense sagebrush, scattering clusters of dense scrub oak and bitter brush.
- 5.00 Ravine. drains S., 40 ft. below sec. cor.; asc. gradually.
- 9.00 Spur, projects S., 30 ft. above ravine; desc.
- 23.50 Canon, drains S. 30° W., 210 ft. below sec. cor.; asc. through dense scrub cedar and pinon timber, along N. slope of spur projecting W.
- 39.85 Set an iron post, 3 ft. 1 in. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor. with brass cap mkd.
- $\frac{1}{4}$ S 16
S 21
- 1920 from which
- A pinon, 14 ins. diam., bears N. 70° E., 42 lks. dist., mkd. $\frac{1}{4}$ S16 BT.
- A cedar, 6 ins. diam., bears S. 56° E., 52 lks. dist., mkd. $\frac{1}{4}$ S21 BT.
- Cor. established 250 ft. above canon; continue asc.
- 43.90 Top of ridge, bears practically E. and W.; continue asc. along ridge.
- 63.10 Head of draw, drains S., 40 ft. deep; continue asc.
- 79.70 The cor. of secs. 15, 16, 21 and 22.
- Land, mountainous.
- Soil, light clay and gravel, shallow and rocky.
- Timber, dense scrub cedar and pinon in eastern portion.
- Undergrowth, dense scrub oak, mahogany, sagebrush and

Subdivision of T. 18 S., R. 5 W.

and bitter brush.

General western exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 15, 16, 21 and 22.

S. $89^{\circ} 55'$ E., on random line bet. secs. 15 and 22.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.70 Intersect the N. and S. line, 5 lks. S. of the cor. of secs. 15 and 22, heretofore described.

N. $89^{\circ} 57'$ W., on true line bet. secs. 15 and 22.

Asc. over mountainous land, through dense sagebrush undergrowth.

40.70 Set an iron post, 3' ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone for the $\frac{1}{2}$ sec. cor., with brass cap mid.

$\frac{1}{2}$ S 15
S 22

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.; continue asc.

67.40 Ridge and limestone ledges, bears N. 20° E., and S. 20° W., 1370 ft. above sec. cor.; desc. Enter scattering scrub cedar and pinon timber, dense scrub oak, mahogany and bitter brush undergrowth.

80.70 The cor. of secs. 15, 16, 21 and 22, 170 ft. below ridge. Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon on western portion.

Undergrowth, dense sagebrush; dense scrub oak, mahogany, and bitter brush in western portion.

Eastern exposure in the eastern portion; western exposure in the western portion.

Limestone and quartzite formation. Good grazing.

From the cor. of secs. 15, 16, 21 and 22.

S. $0^{\circ} 02'$ W., bet. secs. 21 and 22.

Subdivision of T. 18 S., R. 3 W.

Chains.

Asc. over mountainous land through scattering scrub cedar and pinon timber, dense scrub oak, mahogany, manzanita, bitter brush and sagebrush undergrowth.

4.90 Spur, projects W., 120 ft. above sec. cor.; desc.

24.00 Ravine, drains SW., 280 ft. below spur; asc. Leave scattering timber, continue in dense undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

 $\frac{1}{4}$

S 21 | S 22

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Cor. established 100 ft. above ravine; continue asc.

50.50 Ridge, bears NE. and SW., 20 ft. above $\frac{1}{4}$ sec. cor.; desc.

59.80 Head of draw, drains SE., 100 ft. below ridge; asc. gradually along E. slope of ridge.

62.60 Small spur, projects SE., 40 ft. above head of draw; desc.

69.00 Ravine, drains SE., 150 ft. below spur; asc. abruptly.

72.70 Small spur, projects E., 30 ft. above ravine; desc.

75.00 Ravine, drains NE., 40 ft. below spur; asc.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 21, 22, 27 and 28, with brass cap mkd.

T 18 S R 3 W

S 21 | S 22
S 28 | S 27

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon on northern portion.

Undergrowth, dense sagebrush, scrub oak, mahogany and bitter brush.

General southwestern exposure on northern portion;

Chains.

eastern exposure in southern portion. Good grazing.

From the cor. of secs. 21, 22, 27 and 28.

N. $89^{\circ} 54'$ W., on random line bet. secs. 21 and 28.

Set temp. $\frac{1}{4}$ sec. cor.

Intersect the N. and S. line, 14 lks. N. of the cor. of secs. 21 and 28.

East, on true line bet. secs. 21 and 28.

Desc. over mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush, scrub oak, and bitter brush undergrowth.

5.00 Canon, drains SW., 120 ft. below sec. cor. Dim road in bottom, bears NE. and SW.; asc.

17.70 Ridge, bears NE. and SW., 150 ft. above canon; asc. gradually along S. slope of ridge.

33.60 Head of draw, drains SW.; continue asc.

39.83 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S 21
S 28

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

No trees within limits suitable for bearing trees.

Cor. established 250 ft. above ridge; continue asc.

45.30 Ridge, bears NE. and SW., 90 ft. above $\frac{1}{4}$ sec. cor.; desc.

48.10 Ravine, drains SE., 50 ft. below ridge; asc.

69.20 Ridge, bears N. and S., 160 ft. above ravine; desc.

79.66 The cor. of secs. 21, 22, 27 and 28, 140 ft. below ridge. Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush, scrub oak and bitter brush.

General southern exposure. Limestone and quartzite formation. Good grazing.

Subdivision of T. 18 S., R. 3 W.

	Chains.	
		From the cor. of secs. 21, 22, 27 and 28.
		S. $89^{\circ} 57'$ E., on random line bet. secs. 22 and 27.
40.00		Set temp. $\frac{1}{4}$ sec. cor.
82.24		Intersect the N. and S. line, 7 lks. S. of the cor. of secs. 22 and 27, heretofore described. West, on true line bet. secs. 22 and 27. Desc. over mountainous land, through, scattering scrub cedar and pinon timber, dense scrub oak, sagebrush and bitter brush undergrowth.
5.60		Wire fence, bears N. and SE.
7.10		Ravine, drains NE., 15 ft. below sec. cor.; asc.
37.60		Spur, projects NE., 330 ft. above ravine; desc.
42.24		Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, on solid rock, in large mound of stone for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S 22
S 27

1920

		No trees within limits suitable for bearing trees. Raise a mound of stone, 2 ft base, $1\frac{1}{2}$ ft. high N. of cor. Cor. established 80 ft. below spur; continue desc.
45.30		Ravine, drains NE., 100 ft. below $\frac{1}{4}$ sec. cor.; asc.
82.24		The cor. of secs. 21, 22, 27 and 28, 600 ft. above ravine. Land, mountainous. Soil, light clay and gravel, shallow and rocky. Timber, scattering scrub cedar and pinon. Undergrowth, dense sagebrush, scrub oak and bitter brush. General eastern exposure. Limestone and quartzite formation. Good grazing.

		From the cor. of secs. 21, 22, 27 and 28. S. $0^{\circ} 02'$ W., bet. secs. 27 and 28. Asc. over mountainous land, through scattering scrub cedar and pinon timber, dense scrub oak, sagebrush and bitter brush undergrowth.
--	--	--

Subdivision of T. 18 S., R. 3 W.

Chains.

25.90 Ridge, bears NW. and SE., 420 ft. above sec. cor.; desc.

56.60 Ravine, drains SW., 250 ft. below ridge; asc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in
the ground, on solid rock, in large mound of stone,
for the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{2}$	S 28	S 27
---------------	------	------

1920.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No trees within limits suitable for bearing trees.

Cor. established 20 ft. above ravine. Continue asc.

45.30 Spur, projects SW., 60 ft. above $\frac{1}{4}$ sec. cor.; desc.

64.60 Ravine, drains SW., 280 ft. below spur; asc.

82.24 Intersect the N. bdy. sec. 33, 2.13 chs. S. $89^{\circ} 51'$ W.
of the cor. of secs. 33 and 34. At point of inter-
sectionSet an iron post, 3 ft. long, 2 ins. diam., 12 ins. in
the ground, on solid rock, in large mound of stone
for the cor. of secs. 27 and 28, with brass cap mkd.

T 18 S R 3 W	S 28	S 27
	S 33	

1920 from which.

A pinon, 30 ins. diam., bears N. 73° E.,
11 lks. dist., mkd. T18S R3W S27 BT.A cedar, 24 ins. diam., bears N. 33° W.,
61 lks. dist., mkd. T18S R3W S28 BT.

Cor. established 200 ft. below ridge.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush, scrub oak and bitter
brush.Eastern exposure in the northern portion; western
exposure in the southern portion. Limestone and
quartzite formation. Good grazing.

Subdivision of T. 18 S., R. 3 W.

Chains.

- From the restored cor. of secs. 26, 27, 34 and 35.
West, on random line bet. secs. 27 and 34.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.44 Intersect the N. and S. line, 47 lbs. N. of the cor. of secs. 33 and 34.
N. $89^{\circ} 40'$ E., on true line bet. secs. 27 and 34.
Asc. over mountainous land, through dense scrub cedar and pinon timber, dense scrub oak, mahogany and sage brush undergrowth.
- 13.20 Spur, projects S., 160 ft. above sec. cor.; desc.
- 25.60 Ravine, drains S., 260 ft. below spur; asc..
- 32.70 Spur, projects S., 100 ft. above ravine; desc. Leave dense enter scattering timber.
- 37.87 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 27, with brass cap mkd.
- $\frac{1}{4}$ S 27
1920
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits suitable for bearing trees.
Continue desc.
- 39.50 Ravine, drains S., 100 ft. below spur; asc. through dense undergrowth.
- 40.22 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor. for sec. 34, with brass cap mkd.
- $\frac{1}{4}$ S 34
1920
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. No trees within limits suitable for bearing trees.
Cor. established 20 ft. above ravine; continue asc.
- 53.00 Ridge, bears N. and S., 200 ft. above $\frac{1}{4}$ sec. cor.; desc.
- 80.44 The restored cor. of secs. 26, 27, 34 and 35, 230 ft. below ridge.
Land, mountainous.

Subdivision of T. 18 S., R. 3 W.

Chains.

- Soil, light clay and gravel, shallow and rocky.
- Timber, dense scrub cedar and pinon in western portion, scattering in the eastern portion.
- Undergrowth, dense sagebrush, scrub oak, and bitter brush and mahogany.
- General southern exposure. Limestone and quartzite formation. Good grazing.
-
- From the restored cor. of secs. 25, 26, 35 and 36.
- South, on random line bet. secs. 35 and 36.
- Set temp. $\frac{1}{4}$ sec. cor.
- Intersect the S. bdy. of the twp., 1.46 chs., N. $88^{\circ} 52'$ W. of the cor. of secs. 1 and 2, heretofore described.
- South, on true line bet. secs. 35 and 36, from restored cor. of secs. 25, 26, 35, and 36.
- Asc. over mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush, scrub oak, mahogany and bitter brush undergrowth.
- Head of draw, drains NE., continue asc.
- Ridge, bears NW. and SE., 300 ft. above sec. cor.; desc.
- Ravine, drains W., 80 ft. below ridge; asc.
- Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
- $\frac{1}{4}$
- S 35 S 36
- 1920
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No trees within limits suitable for bearing trees. Cor. established on top of small ridge, bearing E. and W., 150 ft. above ravine; desc.
- Head of draw, drains NW.; asc. along W. slope of mountain.
- Ridge, bears E. and W., 330 ft. above $\frac{1}{4}$ sec. cor.; desc.
- At intersection of S. bdy. of twp., Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in

Subdivision of T. 18 S., R. 3 W.

Chains.

the ground, on solid rock, in large mound of stone, for the cor. of secs. 35 and 36, with brass cap mkd.

T 18 S R 3 W

S 35S 36

S 2

T 19 S R 3 W

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush, scrub oak, mahogany and bitter brush.

Northern exposure in the northern portion. Southwestern exposure in the southern portion. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 25, 26, 35 and 36.

East, on random line bet. secs. 25 and 36.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

81.44 Intersect the E. bdy. of the twp., 1.61 chs. N. $0^{\circ} 07'$ W., of the cor. of secs. 30 and 31, R. 2 W., heretofore described.

From the cor. of secs. 25, 26, 35, and 36,

East, on true line bet. secs. 25 and 36.

Desc. over mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush, scrub oak and bitter brush.

13.00 Ravine, drains NE., 250 ft. below sec. cor.; asc.

17.40 Spur, projects NE., 30 ft. above ravine; desc.

37.20 Ravine, drains N., 150 ft. below spur; asc.; leave timber.

40.72 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the $\frac{1}{4}$ sec. cor. for sec. 25, with brass cap mkd.

 $\frac{1}{4}$ S 25

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Subdivision of T. 18 S., R. 3 W.

Chains.

41.44 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in
the ground, on solid rock, in large mound of stone,
for the $\frac{1}{4}$ sec. cor. for sec. 56, with brass cap mkd.

$\frac{1}{4}$ S 36

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

72.30 Ravine, drains NE., 75 ft. deep, continue asc. over
rolling land.

81.44 At point of intersection with the E. bdy. of twp.,
Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in
the ground, on solid rock, in large mound of stone,
for the cor. of secs, 25 and 36, with brass cap mkd.

T 18 S

S 25	S 30
S 36	R 2 W

R 3 W

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, mountainous in the western portion, rolling in the
eastern portion.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering scrub cedar and pinon in the western
portion.

Undergrowth dense sagebrush, scrub oak, mahogany and
bitter brush.

General northern exposure. Limestone and quartzite
formation.

Good grazing.

Lines Designated.	Course.	Dist.	Latitudes.	Departures
			S. E. W. ch.	E. W. ch.
W.Bdy. T.18S., R.3 W.	North.	323.49	323.49	320.34
N.Bdy. T.18S., R.3 W.	East.	320.34		
Bet.Secs. 2 & 3.	S. 0° 32' W.	78.74	78.74	
W. Bdy. Sec. 11.	S. 0° 08' E.	40.58	40.58	.09
W. Bdy. Sec. 11.	S. 0° 11' E.	40.72	40.72	.15
Bet. secs. 14 & 15.	S. 0° 14' E.	81.58	81.58	.33
W. Bdy. Sec. 23.	S. 1° 10' E.	80.10	80.08	1.63
Bet. secs. 23 & 26.	S. 89° 01' E.	80.10	1.37	80.09
Bet. secs. 24 & 25.	N. 89° 35' E.	81.52	.64	81.52
E.Bdy. T.18S., R.3 W.	S. 0° 29' W.	41.28	41.28	
E.Bdy. T.18S., R.3 W.	S. 0° 07' E.	40.68	40.68	.08
E.Bdy. T.18S., R.3 W.	S. 0° 18' W.	78.34	78.34	
S.Bdy. T.18S., R.3 W.	N. 89° 47' W.	79.70	.30	
S.Bdy. T.18S., R.3 W.	N. 88° 52' W.	40.33	.80	79.7
S.Bdy. T.18S., R.3 W.	S. 89° 20' W.	40.28	.47	40.3
S.Bdy. T.18S., R.3 W.	S. 89° 27' W.	40.33	.39	40.2
S.Bdy. T.18S., R.3 W.	S. 89° 45' W.	40.37	.18	40.3
Bet. secs. 33 & 34.	N. 0° 01' E.	40.03	40.03	.01
Bet. secs. 33 & 34.	N. 1° 11' W.	40.01	40.00	
W. Bdy. Sec. 33	S. 89° 51' W.	80.30	.21	.8
Bet. Secs. 28 & 29.	North.	80.76	80.76	80.3
N. Bdy. Sec. 29.	S. 89° 32' W.	81.00	.66	81.0
N. Bdy. Sec. 30.	S. 89° 58' W.	80.80	.05	
Convergency,				80.8
	Totals,	486.03	485.13	484.60
		485.13		484.6
Error in latitude, . . . . .	.89			
	Error in departure, . . . . .			.8
	Closing error, 1 in 1587.			

GENERAL DESCRIPTION.

The land in this township is rough and broken, mountainous, and located on what may be termed a low pass or gap in a rough and rugged mountain range running approximately North and south. The portion of the range from the south ends in sec. 36; here the main range offsets to the west and starts north from sec. 27. The mountain becomes gradually higher to the north, and in approaching the north, the range widens to the west, thus forming a rough and rugged country extending a considerable distance beyond the west boundary of the township. The low pass, or gap, is located in sec. 34.

A high ridge just north of the north boundary of the township, bearing NE. and SW., forms what might be termed the southern end of Fool Creek Mountain, and gives the land a general southern exposure. From this

145

ridge smaller ridges and spurs project in a general southern direction, the surface descending rapidly, and either ending at their contact with Cottonwood Canon, or terminate in the rolling lands to the south. Cottonwood Canon heads on the West side of Scipio Peak, which is located a few miles north of the north boundary of sec. 4, and is the highest peak in the range. The canon drains in a southwesterly direction through the township. There is a good sized stream of water in the canon in the spring of the year; the water is taken out and used for irrigation in the vicinity north of the town of Holden. In the fall of the year, or after the snow has melted, the bed of the stream is dry, except in places where small springs drain into the canon, the water from which flows a few rods and sinks into the gravel bottom, and may rise to the surface in places some distance down the canon. This water, together with water from other small springs or seeps, located in bottoms of ravines, not seen from line, afford ample water for stock. Perhaps the largest spring in the township is located in the SW. $\frac{1}{4}$, Sec. 16 and locally known as Mud Spring. The Forest Service has fenced the spring and piped the water to troughs for stock.

The soil is a light clay and gravel, usually shallow and rocky, and numerous outcropping of limestone and quartzite appearing on the surface.

The timber is of a scrubby cedar and pinon covering practically the entire township; a few scattering yellow pine and spruce, and scattering clusters of dense aspen timber ~~are~~ found in the northern portion in the higher altitudes. Cottonwood and maple timber abound along the bottom of Cottonwood Canon. This township is also covered with a dense growth of scrub oak, mahogany, bitter brush and sagebrush, which

General Description, T. 18 S., R. 3 W.

greatly impeded the progress of the survey, but affords excellent browse.

The sedimentary rock in the northern portion is the Undifferentiated Paleozoic, while that of the south-eastern portion is the Cambrian.

There has been some prospecting for mineral carried on on a small scale, but I know of no mineral ever having been found in any quantity. Iron, I understand, has been found on the east side of the mountain range approximately six miles north of the north boundary of this township.

I do not recommend reserving any portion of this township as mineral land. There are no settlers in the portion of the township coming under this survey.

Scipio, Utah, the nearest town and postoffice, a town of approximately 700 inhabitants, is located just east of the east boundary of this township.

Jos. C. Thomas
U. S. Geological Survey

BOOK A-446

FIELD ASSISTANTS.

CADASTRAL ENGINEER.

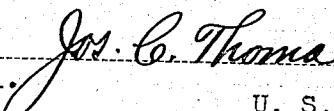
CERTIFICATE OF UNITED STATES SURVEYOR

I, Jos. C. Thoma, U. S. Cadastral Engineer, ~~U. S. Surveyor~~, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah, bearing date of the sixteenth day of January, 1919, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Boundaries and Subdivision of T. 18 S., R. 3 W.

of the Salt Lake

Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Dated: Salt Lake City, Utah, this twenty first day of February, 1921.



U. S. Surveyor
U. S. Cadastral Eng

APPROVAL.

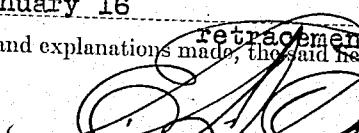
OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Nov. 26, 1921.

The foregoing field notes of the ~~survey of~~ retracement and resurvey of portions of the south, east and west boundaries; retracement and resurvey of part of the subdivision; and survey of portions of the west and north boundaries and subdivision of Township No. 18 South, Range No. 3 West, of the Salt Lake Base and Meridian, Utah;

executed by Jos. C. Thomaunder ~~xx~~ special instructions dated January 16

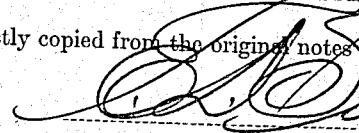
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.



U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in

, has been correctly copied from the original notes on file in this office.



U. S. Surveyor General.

Blank

Page

**Blank
Page**

BOOK A-446

C.

FIELD NOTES

OF THE SURVEY OF THE

PORTION OF THE SUBDIVISION, AND RESURVEY OF A PORTION OF THE NORTH
BOUNDARY AND SUBDIVISION, OF T. 29 S., R. 4 E.

Of the SALT LAKE BASE AND Meridian,

the State of UTAH

EXECUTED BY

ELLIOT BIRD

the capacity of U. S. Surveyor, under Special Instructions dated January 16, 1919,

and by the United States Surveyor General to govern surveys included in Group

ZG, which were approved by the Commissioner of the General Land

Office, February 15, 1919, and Assignment Instructions dated November 5, 1919

Supplemental Assignment Instructions dated May 3, 1920.

Survey commenced November 12, 1920.

Survey completed November 29, 1920.

BOOK A-446

INDEX DIAGRAM.

Township 29 South Range 4 East

18 16 15 13

6	12	5	25	4	22	3	20	2	5	6	1
		10		8		7		5			
7			8		9		10		11		12
18		17		16		15		14		13	
19		20		21		22		23		24	
30		29		28		27		26		25	
31		32		33		34		35		36	

T. 23 S., R. 4 E.

DATE DIAGRAM OF T. 23 S., R. 4 E.

11-27-20	11-26-20	11-24-20	11-23-20		11-19-20
11-29-20	5 11-26-20	4 11-24-20	3 11-23-20	2 11-19-20	
	11-20-20	11-20-20	11-19-20	11-19-20	

Survey commenced November 19, 1920 and executed with Young and Sons light mountain transit No. 8531. Instrument is equipt with Smith Solar attachment and full vertical circle. The horizontal limb is provided with two double verniers, placed opposite each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circle.

The instrument was approved for use on this survey by the Assistant Supervisor of Surveys for district No. 6, conditional upon satisfactory field test, in assignment instructions dated November 5, 1919.

I examine the adjustments of the instrument and correct the level and collimation errors, then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations made on Polaris, I proceed as follows.

November 19, 1920: At my camp, situated in the SW. $\frac{1}{4}$ of sec. 7, T. 23 S., R. 5 E., approximated latitude $38^{\circ}18'$ N., longitude $111^{\circ}27'$ W.; At 3h 37.4m a.m. l. m. t., I observe Polaris at western elongation with the telescope in direct and reversed positions and mark the line thus determined with a tack in a stake firmly driven in the ground, 10.00 chs. N. of my station.

At 8h 30m a.m. app. t., I lay off the azimuth of Polaris which is $1^{\circ}25'$ to the east and mark the line thus determined

T. 29 S., R. 4 E.

by a tack in a stake, 10.00 chs. N. of my station.

At 3h 00m app. t., with the transit in the meridian, I set off $38^{\circ}18'$ N., on the latitude arc, $19^{\circ}28'$ S., on the declination arc, and determine a meridian with the solar which I find to agree with the true meridian.

At app. noon, I make a meridian observation of the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb.

Mean observed altitude	$32^{\circ}11'$
Reduced latitude	$38^{\circ}18'$
Mean watch time of observation	12h 10m
watch slow of 1. m. t.	4m 32

At app. noon with the instrument in the meridian and the latitude arc unchanged, I find the reading of the declination arc to be $19^{\circ}31'$ S.

At 3h 00m app. t., with the latitude arc unchanged, I set off $19^{\circ}32'$ S., on the declination arc; and determine a meridian with the solar which I find agrees with the true meridian.

As all the solar observations made during the usual hours of solar work come within 1' of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

The instrument was kept in good adjustment throughout the progress of this survey, frequent tests being made on the meridian determined by observations on Polaris.

At the completion of the survey of this township, I make a final test of the instrument on the Polaris meridian heretofore recorded.

November 29, 1920: At 8h 30m app. t., I set off $38^{\circ}18'$ N., on the latitude arc., $21^{\circ}28'$ S., on the declination arc; and determine a meridian with the solar which I find to agree with the true meridian.

T. 29 S., R. 4 E.

CHAINS

At app. noon, with the latitude arc unchanged, I observe the sun on the meridian; the resulting reading of the declination arc is $21^{\circ}31'$ S., which agrees with the computed declination of the sun.

At 3h. 30m app. t., with the latitude arc unchanged, I set off $21^{\circ}30'$ S., on the declination arc; and determine a meridian with the solar which I find to agree with the true meridian.

As all the solar observations during the usual hours of solar work come within 1' of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

MEASUREMENTS.

Unless otherwise specified, all measurements are made with Lallie steel ribbon tapes 5 chains in length compared with a Lufkin standard steel tape 1 chain in length and found to be correct. The measurements are made on the slope, the vertical angle determined and the slope measurements properly reduced to true horizontal distances.

RESURVEY OF SUBDIVISION OF T. 29 S., R. 4 E.

From the cor. on the N. bdy. of the township for secs.

1, 2, 35 and 36, hereinafter described.

South, on a retracement line bet. secs. 1 and 2.

Intersect the sec. cor. secs. 1 and 2, hereinafter described.

The bearing of this $\frac{1}{2}$ mile is therefore S., and the dist. is 39.81 chs.

Continue S. on same line with continuous measurement.

Fall 18 lks. W. of the cor. secs. 1, 2, 11 and 12, which is a trachyte, 10 x 10 x 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general, alongside of which.

39.81

79.47

RESURVEY OF SUBDIVISION OF T. 29 S., R. 4 E.

CHAINS	
	Set an iron post, 3 ft. long, 2 ins. dia.; 24 ins. in the ground, for cor. secs. 1, 2, 11 and 12, with brass cap marked.
	T29S R4E S2 | S1 ---+--- S11 S12
	1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Thence N. 0°15' W., on a resurvey line bet. secn. 1 and 2.
	Ascend gradually over rolling bench land through scattered undergrowth of sagebrush and shadscale.
24.50	The S. bank of hollow, bears E. and W.
28.50	Small stream of good clear water, 5 lks. wide, 3 ins. deep, in hollow, 50 ft. deep, drains N.
33.60	The N. bank of hollow, bears E. and W., enter scattering cedar and pinon timber, bears E. and W.
39.66	On level bench land, the sec. cor., which is a trachyte, 8 x 8 x 8 ins. above ground, firmly set, marked and witnessed as described by the surveyor general, alongside of which.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., subsequently for sec. 1, with brass cap marked.
	S1
	1920
	From which A pinon, 7 ins. dia., bears N. 50° E., 43 lks. dist., marked S1 BT.
	A pinon, 8 ins. dia., bears S. 32°30' E., 154 lks. dist., marked S1 BT.
	I efface marks on bearing tree that pertain to sec. 2.
	Thence North, with continuous measurement.
40.00	On level bench land.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the

RESURVEY OF SUBDIVISION OF T. 29 S., R. 4 E.

CHAINS

ground, for $\frac{1}{4}$ sec. cor. sec. 2, with brass cap marked.

S2

1920

From which

A pinon, 8 ins. dia., bears S. 47° W., 35 lks.

dist., marked $\frac{1}{4}$ S2 BT.

A pinon, 10 ins. dia., bears N. 47° W., 61 lks.

dist., marked $\frac{1}{4}$ S2 BT.

41.80 Leave rolling top of bench, bears E. and W.; thence descend gradually.

51.00 Gulch, 50 ft. below bench, drains E.; ascend abruptly over red sandstone spur.

60.00 Top of red sandstone spur, 190 ft. above gulch, projects E.; descend abruptly.

78.40 Gulch, 160 ft. below spur, drains SE.; ascend abruptly.

72.47 On steep SW. slope, 25 ft. above gulch; intersect the N. bdy. of the township at the cor. secs. 1, 2, 35 and 36, which is a trachyte, 10 x 10 x 16 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.

Land, rolling bench land, broken in places by deep gulches.

Soil, shallow red sandy loam mixed with loose trachyte boulders with red sandstone subsoil.

Drainage, SE. into Sulphur Creek.

Undergrowth, scattering sagebrush and shadscale.

Timber, scattering cedar and pinon on N. 45.87 chs.

Fair grazing on all of mile.

From the cor. secs. 1, 2, 11 and 12.

West, on a retracement line bet. secs. 2 and 11.

32.88 Intersect the $\frac{1}{4}$ sec. cor. secs. 2 and 11, hereinafter described.

The bearing of this $\frac{1}{4}$ mile is therefore W., and the dist. is 39.86 chs.

West, on same line with continuous measurement.

RESURVEY OF SUBDIVISION OF T. 29 S., R. 4 E.

CHAINS	
79.88	Fall 31 lks. S. of the cor. secs. 2, 3, 10 and 11, hereinafter described. The bearing of this half mile is therefore, N. $89^{\circ}33'$ W. and the dist. is 40.00 chs. Thence From the cor. secs. 1, 2, 11 and 12. West, on a resurvey line bet. secs. 2 and 11. Descend gradually over rolling foot hills of Thousand Lake Mountain through scattering undergrowth of sagebrush and shadscale.
5.40	Irrigation ditch, 10 lks. wide, 10 ins. deep, drains NE.
9.50	Wood road, bears N. and S.
18.50	Top of abrupt descent, same level as cor., bears SE. and NW.
33.20	Irrigation ditch, 10 lks. wide, 10 ins. deep, at foot of abrupt descent, 80 ft. below top, drains SW.; thence descend gradually.
39.88	On rolling land; the sec. cor. which is a trachyte, 10 x 10 x 15 ins. above ground, loosely set, marked and witnessed as described by the surveyor general. I reset cor. and rebuild mound. Thence N. $89^{\circ}33'$ W., with continuous measurement.
44.70	Draw, 30 ft. below base of abrupt descent, drains S. 10° W. thence over rolling land.
48.40	An old shaft, 10 ft. square, 15 ft. deep, bears N., 15 lks. dist.
54.30	Draw, 15 ft. below last draw, drains S. 10° W.
79.88	On rolling land, same level as draw; the cor. secs. 2, 3, 10 and 11, which is a sandstone, 10 x 4 x 14 ins. above ground, loosely set, marked and witnessed as described by the surveyor general. I reset cor. and rebuild mound. Land, rolling foot hills of Thousand Lake Mountain. Soil, shallow red sandy loam with red sandstone subsoil. Drainage, S. into the Fremont River.

RESURVEY OF SUBDIVISION OF T. 29 S., R. 4 E.

CHAINS	Undergrowth, scattering sagebrush and shadscale. No timber. Fair grazing on all of mile.
	West, on a retracement line bet. secs. 3 and 10.
39.76	Fall 11 lks. S. of the $\frac{1}{2}$ sec. cor., hereinafter described. The bearing of this $\frac{1}{2}$ mile is therefore N. $89^{\circ}51'$ W., and the dist. is 39.76 chs.
	Continue on same line with continuous measurement.
79.56	Fall 19. lks. S. of the cor. secs. 3, 4, 9 and 10, hereinafter described. The bearing of this half mile is therefore N. $89^{\circ}53'$ W., and the dist. is 39.80 chs.
	Thence From the cor. secs. 2, 3, 10 and 11. N. $89^{\circ}51'$ W., on a resurvey line bet. secs. 3 and 10. Ascend gradually over rolling land through scattering undergrowth of sagebrush and shadscale.
1.50	Spur, 15 ft. above cor., projects S.; descend gradually.
2.60	Wash, 30 lks. wide, 4 ft. deep, in draw, 10 ft. below spur, drains S. 10° W.; ascend gradually.
13.50	Spur, 30 ft. above draw, projects S.; thence over nearly level land.
14.30	Wash, 30 lks. wide, 4 ft. deep, drains S. 10° E.
38.70	Wash, 40 lks. wide, 10 ft. deep, drains S. 10° W.
39.76	The $\frac{1}{2}$ sec. cor., which is a trachyte, 10 x 8 x 12 ins. above ground, loosely set, marked and witnessed as described by the surveyor general. I reset cor. and rebuild mound.
	Thence N. $89^{\circ}53'$ W., with continuous measurement.
52.10	Wash, 40 lks. wide, 4 ft. deep, 30 ft. below the $\frac{1}{2}$ sec. cor., drains S.; ascend gradually.
54.70	Spur, 30 ft. above wash, projects S.; descend gradually.
67.70	A 24 in. wooden pipe line which syphons the water used

RESURVEY OF SUBDIVISION OF T. 29 S., R. 4 E.

CHAINS	
	for irrigation at Torrey, from the S. side of the Fremont River, to the N. side, bears NE. and SW.
71.20	The Fremont River, stream of good clear water, 60 lks. wide, 18 ins. deep, 45 ft. below spur, drains S. 20° E.
79.56	On S. bank of the Fremont River; the cor. of secs. 3, 4, 9 and 10, which is a trachyte, 10 x 10 x 10 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
	Land, rolling foot hills of Thousand Lake Mountain.
	Soil, shallow red sandy loam about 6. ins. deep with red sandstone subsoil.
	Drainage, SE. by the Fremont River.
	Undergrowth, scattering sagebrush and shadscale.
	No timber.
	Fair grazing on all of mile..
	From the cor. secs. 3, 4, 9 and 10.
	West, on a retracement line bet. secs. 4 and 9.
32.34	Fall 18 lks. S. of the $\frac{1}{4}$ sec. cor., hereinafter described. The bearing of this $\frac{1}{3}$ mile is therefore N. $89^{\circ}45'$ W., and the dist. is 32.34 chs.
	Continue on same line with continuous measurement.
79.34	Fall 18 lks. S. of cor. secs. 4, 5, 8 and 9, hereinafter described. The bearing of this $\frac{1}{3}$ mile is therefore W., and the dist. is 40.00 chs.
	Thence
	From the cor. secs. 3, 4, 9 and 10.
	N. $89^{\circ}45'$ W., on a resurvey line bet. secs. 4 and 9.
	Ascend gradually over rolling land through scattering undergrowth of sagebrush and shadscale.
.50	The Fremont River, stream of good clear water, 60 lks. wide, 18 ins. deep, drains NE.
17.40	Spur, 60 ft. above cor., projects S.; descend gradually.
20.00	The Fremont River, 60 lks. wide, 70 ft. below spur, drains S. 20° E.; thence over rolling land.

RESURVEY OF SUBDIVISION OF T. 29 S., R. 4 E.

CHAINS

- 31.30 Pole fence, bears N. and S.; enter cultivated land, bears N. and S.
- 39.94 In cultivated land; the $\frac{1}{4}$ sec. cor., which is a trachyte, 10 x 10 x 10 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
Thence west, with continuous measurement.
- 63.20 Wire fence, bears N. and S.
- 68.60 Wire fence, bears NE. and SW.
- 72.80 Pole and wire fence, bears N. and S.; leave cultivated land, bears N. and S.
- 78.50 The Fremont River, stream of good clear water, 60 lks. wide, 18 ins. deep, drains N. 80° E.
- 79.94 On bank of the Fremont River; the cor. secs. 4, 5, 8 and 9, which is a white sandstone, 12 x 10 x 4 ins., lying on the ground, marked and witnessed as described by the surveyor general, alongside of stone, which I reset, Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 4, 5, 8 and 9, with brass cap marked.

T29S R4E

S5 | S4

---|---

S8 | S9

1900

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling bottom of the Fremont River bed.

Soil, shallow red sandy loam mixed with loose trachyte boulders with red sandstone subsoil.

Drainage, E. by the Fremont River.

Undergrowth, scattering sagebrush and shadscale.

No timber.

Fair grazing on all of mile.

RESURVEY OF SUBDIVISION OF T. 20 S., R. 4 E.

CHAINS	
	West, on a retrace ment line bet. secs. 5 and 8.
40.00	Find no trace of the $\frac{1}{2}$ sec. cor.
	Continue W., on same line with continuous measurement.
80.00	Find no trace of the sec. cor., left. flag.
	From the flag left for temp. cor. secs. 5, 6, 7 and 8.
	South, on a retrace ment line bet. secs. 7 and 8.
39.26	Fall 154 lks. E. of the $\frac{1}{2}$ sec. cor., which is a trachyte, 12 x 12 x 18 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
	From the flag left for temp. cor. secs. 5, 6, 7 and 8.
	West, on a retrace ment line bet. secs. 6 and 7.
41.14	Fall 92 lks. S. of the $\frac{1}{2}$ sec. cor., which is a trachyte, 10 x 10 x 10 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
	From the flag left for temp. cor. secs. 5, 6, 7 and 8.
	North, on a retrace ment line bet. secs. 5 and 6.
41.00	Fall 154 lks. E. of the $\frac{1}{2}$ sec. cor., hereinafter described. I return to the temp. flag left. for temp. cor. secs. 5, 6, 7 and 8, and at a point 76 lks. W. and 87 lks. N., set the cor. secs. 5, 6, 7 and 8, hereinafter described. The bearing of the mile bet. secs. 5 and 8 is therefore N. $89^{\circ}23'$ W., and the dist. is 80.76 chs.; the bearing of the N. $\frac{1}{2}$ mile bet. secs. 7 and 8 is N. $1^{\circ}07'$ E., and the dist. is 40.14 chs.; the bearing of the S. $\frac{1}{2}$ mile bet. secs. 5 and 6 is N. $1^{\circ}07'$ W., and the dist. is 40.14 chs. and the bearing of the E. $\frac{1}{2}$ mile bet. secs. 6 and 7 is N. $89^{\circ}56'$ W., and the dist. is 40.38 chs. Thence
	From the cor. secs. 4, 5, 8 and 9.
	N. $89^{\circ}23'$ W., on a resurvey line bet. secs. 5 and 8.
	Ascend abruptly over broken S. face of sandstone ledges through scattering undergrowth of sagebrush and shadscale.

RESURVEY OF SUBDIVISION OF T. 29 S., R. 4 E.

CHAINS

13.50 Sandstone spur, 220 ft. above cor., projects S.; descend broken S. slope of sandstone ledges.

40.00 On broken S. slope, 200 ft. below spur.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 5, with brass cap marked.

 $\frac{1}{4}$ S5

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
40.58 On steep S. slope.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 8, with brass cap marked.

 $\frac{1}{4}$ S8

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
54.00 Base of sandstone ledges, 75 ft. below $\frac{1}{4}$ sec. cor. sec. 5,
bears SE. and NW.; thence over rolling bottom of the Fremont River Bed.

60.00 Pole fence, bears NE. and SW.

61.40 Pole and wire fence, bears, SE. and NW.; enter alfalfa field, bears N. and S.

80.76 On the N. bank of the Fremont River, in alfalfa field.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 5, 6, 7 and 8, with brass cap marked.

T29S R4E	
S6	S5

S7	S8

1920

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, broken by sandstone ledges on E. 54.00 chs., rolling remainder of mile.

Soil, shallow red sandy loam with red sandstone subsoil.

Drainage, S. into the Fremont River.

Undergrowth, scattering sagebrush and shadscale.

No timber.

Fair grazing on all of mile.

RESURVEY OF SUBDIVISION OF T. 23 S., R. 4 E.

CHAINS	
	From the $\frac{1}{4}$ sec. cor. secs. 5 and 6.
	North, on a retracement line bet. secs. 5 and 6.
39.56	Intersect the N. bdy. of the township at the cor. secs. 5, 6, 31 and 32, hereinafter described.
	The bearing of this $\frac{1}{2}$ mile is therefore, N., and the dist. is 39.56 chs.
	Thence
	From the cor. secs. 5, 6, 7 and 8.
	N. $1^{\circ}07'$ W., on a resurvey line bet. secs. 5 and 6.
	Ascend gradually over rolling land through alfalfa field, scattering cedar and pinon timber and scattering under-growth of sagebrush and shadscale.
10.00	Leave alfalfa field, bears E. and W.
12.50	Base of abrupt ascent over sandstone ledges, bears E. and
20.00	Top of sandstone ledges, 300 ft. above cor., bears E. and W.; thence ascend gradually over rolling land.
40.14	On rolling land, 45 ft. above top of ledges; the $\frac{1}{4}$ sec. cor. which is a trachyte, 10 x 10 x 12 ins. above ground, loosely set, marked and witnessed as described by the surveyor general, alongside of which.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	$\frac{1}{4}$ S6 | S5 1920
	Raised a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No suitable bearing trees available.
41.80	Thence N. with continuous measurement. Spur, 30 ft. above the $\frac{1}{4}$ sec. cor., projects E.; descend gradually.
47.70	Draw, 30 ft. below spur, drains SE.; ascend abruptly.
62.00	Spur, 200 ft. above draw, projects SW.; descend abruptly.
68.30	Head of gulch, 65 ft. below spur, drains SW.; ascend abruptly.
71.00	Ridge, 140 ft. above gulch, bears E. and W.; descend abruptly.
79.70	The cor. secs. 5, 6, 31 and 32, 65 ft. below ridge, described in the resurvey of the N. bdy. of the township.

RESURVEY OF THE NORTH BOUNDARY OF T. 29 S., R. 4 E.

CHAINS	<p>Land, broken by sandstone ledges.</p> <p>Soil, shallow red sandy loam mixed with loose trachyte boulders with red sandstone subsoil.</p> <p>Drainage, S. into the Fremont River.</p> <p>Undergrowth, scattering shadscale and sagebrush.</p> <p>Timber, scattering cedar and pinon.</p> <p>Fair grazing on all of mile.</p>
	RESURVEY OF THE NORTH BOUNDARY OF T. 29 S., R. 4 E.
	From the cor. on the N. bdy. of the township, for secs. 1, 2, 35 and 36, heretofore described.
	N. $89^{\circ}58'$ W., on a retracement line bet. secs. 2 and 35.
40.00	<p>Fall 13 lks. S. of the $\frac{1}{2}$ sec. cor., hereinafter described.</p> <p>The bearing of this $\frac{1}{2}$ mile is therefore, N. $89^{\circ}47'$ W., and the dist. is 40.00 chs.</p> <p>Continue N. $89^{\circ}58'$ W., on same line with continuous measurement.</p>
80.07	<p>Fall 22 lks. S. of the cor. secs. 2, 3, 34 and 35, hereinafter described.</p> <p>The bearing of this $\frac{1}{2}$ mile is therefore, N. $89^{\circ}50'$ W., and the dist. is 40.07 chs.</p> <p>Thence</p> <p>From the cor. secs. 1, 2, 35 and 36.</p> <p>N. $89^{\circ}47'$ W., on a resurvey line bet. secs. 2 and 35.</p> <p>Descend abruptly over broken land through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.</p>
.30	Gulch, 10 ft. below cor., drains SE.; ascend abruptly.
3.80	Top of sandstone break, 240 ft. above gulch, bears N. and S.; thence over rolling land.
23.90	Wood road, bears N. and S.
28.90	Gulch, 40 ft. below top of breaks, drains SE.; ascend gradually over rolling land.
40.00	The $\frac{1}{2}$ sec. cor., which is a trachyte, 10 x 10 x 12 ins. above ground, firmly set, marked and witnessed as

described by the Surveyor general.

On the south side of the river, 100 ft. above the sec. cor., bear

W. 45° S., with continuous measurement.

At the top of gradual ascent, 40 ft. above the sec. cor., bear
S. 60° E., then decrease gradually.

In clear, shallow, clear water, 3 lms. wide, 7 ins. deep,
bottom sand, about 10 ft. below top of gradual ascent, drains
S. 60° E.; decrease gradually.

On W. side of creek bed, 10 ft. above bottom; the cor.
of creek, N. E., S. 1 and 25, thick in a trachyte 12 x 12 x
12 ins., buried in sand by sand from floods, marked
and "discovered as described by the surveyor general,
especially of which."

On left bank, 7 ft. long, 3 ins. dia., 94 ins. in the
creek, for cor. N. E., S. 1, 25 and 35, with brass cap
buried.

TIME		1000
1034	1035	-
+	+	+
1034	1035	1000

From which

1. Redwood, 12 ins. dia., bears N. 40° E.,
100 lms. dist., situated near sec. cor.

2. Redwood, 12 ins. dia., bears N. 50° E.,
100 lms. dist., situated near sec. cor.

3. Pine, 12 ins. dia., bears N. 40° E., 100 lms.
dist., situated near sec. cor.

4. Pine, 12 ins. dia., bears N. 40° E., 100 lms.
dist., situated near sec. cor.

5. Pine, 12 ins. dia., situated near sec. cor.

6. Pine, situated near sec. cor.

7. Pine, situated near sec. cor.

RESURVEY OF THE NORTH BOUNDARY OF T. 23 S., R. 4 E.

CHAINS	
	N. $89^{\circ}58'$ W., on a retracement line bet. secs. 3 and 34.
40.01	Find no trace of the $\frac{1}{4}$ sec. cor.
	Continue on same line with continuous measurement.
80.20	Fall 14 lks. S. of the cor. secs. 3, 4, 33 and 34, hereinafter described.
	The bearing of this mile is therefore, N. $89^{\circ}52'$ W., and the dist. of each $\frac{1}{2}$ mile is 40.10 chs.
	Thence
	From the cor. secs. 2, 3, 34 and 35.
	N. $89^{\circ}52'$ W., on a resurvey line bet. secs. 3 and 34.
	Ascend gradually over rolling land through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
34.00	Wood road, bears N. and S.
33.75	On rolling land; point midway bet. the cor. secs. 2, 3, 34 and 35 and the closing cor. secs. 3 and 4.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 3, with brass cap marked.
	<u>$\frac{1}{4}$ S3</u>
	1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.
	No suitable bearing trees available.
40.10	Proportionate measurement.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 34, with brass cap marked.
	<u>$\frac{1}{4}$ S34</u>
	1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	No suitable bearing trees available.
	Thence descend gradually.
42.70	Gulch, 40 ft. below the $\frac{1}{4}$ sec. cor. sec. 34, drains S. 75° E.; ascend gradually.
53.00	Spur, 30 ft. above gulch, projects S.; descend gradually.
67.10	Gulch, 15 ft. below spur, drains N. 80° E.; ascend gradually.

RESURVEY OF THE NORTH BOUNDARY OF T. 29 S., R. 4 E.

CHAINS	
.70.00	Low ridge, 40 ft. above gulch, bears N. and S.; descend gradually.
79.50	The point for the closing cor. secs. 3 and 4, hereinafter described.
80.20	On the S. bank of gulch, 55 ft. below ridge; the cor. secs. 3, 4, 33 and 34, which is a trachyte, 10 x 10 x 15 ins. above ground, firmly set, marked and witnessed as described by the surveyor general, alongside of which Set an iron post, 3 ft. long, .2 ins. dia., 24 ins. in the ground, subsequently for the cor. secs. 33 and 34, with brass cap marked.
	T28S | R4E S33 | S34
	S4 T29S 1320
	From which
	A pinon, 6 ins. dia., bears N. 41° E., 80 lks. dist., marked T28S R4E S34 BT.
	A pinon, 8 ins. dia., bears N. 71° W., 184 lks. dist., marked T28S R4E S33 BT.
	Land, rolling foot hills of Thousand Lake Mountains.
	Soil, shallow red sandy loam with red sandstone subsoil.
	Drainage, SE. into the Fremont River.
	Undergrowth, scattering shadscale and sagebrush.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile..
	N. $89^{\circ}58'$ W., on a retracement line along S. bdy. sec 33.
40.00	Fall 11 lks. S. of the $\frac{1}{4}$ sec. cor., hereinafter described. The bearing of this $\frac{1}{2}$ mile is therefore, N. $89^{\circ}49'$ W., and the dist. is 40.00 chs.
	Continue on same line with continuous measurement.
80.13	Fall 19 lks. S. of the cor. secs. 4, 5, 32 and 33, hereinafter described. The bearing of this $\frac{1}{2}$ mile is therefore, N. $89^{\circ}51'$ W., and the dist. is 40.13 chs.

RESURVEY OF THE NORTH BOUNDARY OF T. 29 S., R. 4 E.

CHAINS	
	Thence
	From the cor. secs. 33 and 34.
	N. $89^{\circ}49'$ W., on a resurvey line along the S. bdy. sec. 33.
	Descend gradually over rolling land through scattering cedar and pinon timber and scattering undergrowth of shadscale and bunch grass.
.80	Gulch, 10 ft. below cor., drains S. 80° W.; ascend gradually.
35.00	Spur, 30 ft. above gulch, projects N.; descend gradually.
39.30	On rolling land, 20 ft. below spur; westing of 40.00 chs. from the closing cor. secs. 3 and 4.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor. sec. 4, with brass cap marked.

S4

1920

From which

	A cedar, 15 ins. dia., bears S. 80° W., 75 lks. dist., marked $\frac{1}{2}$ S4 BT.
	No other suitable bearing tree available.
40.00	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor. The $\frac{1}{2}$ sec. cor. subsequently for sec. 33, which is a red sandstone, 10 x 10 x 10 ins. above ground, firmly set, marked and witnessed as described by the surveyor general: I efface marks on bearing tree that pertain to sec. 4, and reestablish cor. as follows.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, alongside old cor., for $\frac{1}{2}$ sec. cor. sec. 33, with brass cap marked.

 $\frac{1}{2}$ S33

1920

From which

	A pinon, 8 ins. dia., bears N. 34° E., 110 lks. dist., marked $\frac{1}{2}$ S33 BT.
	A pinon, 6 ins. dia., bears N. $32^{\circ}30'$ W., 105 lks. dist., marked $\frac{1}{2}$ S33 BT.

RESURVEY OF THE NORTH BOUNDARY OF T. 29 S., R. 4 E.

CHAINS	
	Thence
	N. $89^{\circ}51'$ W., with continuous measurement.
49.60.	Wash, 30 lks. wide, 4 ft. deep, 10 ft. below the $\frac{1}{4}$ sec. cor. sec. 4, drains N. 60° E.; thence over rolling land
79.30	Westing of 40.00 chs. from the $\frac{1}{4}$ sec. cor. sec. 4. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 4 and 5, with brass cap marked.
	T28S R4E S33
	S5 | S4 T29S 1920
	From which
	A cedar, 6 ins. dia., bears S. 50° E., 11 lks. dist., marked T29S R4E S4 BT.
	A pinon, 6 ins. dia., bears S. 75° W., 52 lks. dist., marked T29S R4E S5 BT.
80.13	The cor. next subsequently for secs. 32 and 33, which is a sandstone, 10 x 10 x 12 ins. above ground, firmly set marked and witnessed as described by the surveyor general. I efface marks on bearing trees that pertain to secs. 4 and 5.
	Land, rolling foot hills of Thousand Lake Mountains.
	Soil, shallow red sandy loam with sandstone subsoil.
	Drainage, SE. into the Fremont River.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	N. $89^{\circ}58'$ W., on a retracement line along the S. bdy. sec.
40.28	Fall 15 lks. S. of the $\frac{1}{4}$ sec. cor., hereinafter described. The bearing of this $\frac{1}{2}$ mile is therefore, N. $89^{\circ}45'$ W., and the dist. is 40.28 chs.
	Continue on same line with continuous measurement.
80.28	Fall 55 lks. S. of the cor. secs. 5, 6, 31 and 32, hereinafter described. The bearing of this $\frac{1}{2}$ mile is therefore, N. $89^{\circ}25'$ W., and the dist. is 40.00 chs.

RESURVEY OF THE NORTH BOUNDARY OF T. 29 S., R. 4 E.

CHAINS

Thence.

From the cor. secs. 32 and 33.

N. $89^{\circ}45'$ W., on a resurvey line along S. bdy. sec. 32.

Ascend gradually over broken land through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.

10.50 Base of abrupt ascent over sandstone ledges, 45 ft. above cor., bears N. and S.

27.50 Top of sandstone ledges, 420 ft. above base, bears N. and S.; thence over rolling top of mesa.

33.17 On rolling top of mesa; westing of 40.00 chs. from the cor. secs. 4 and 5.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ cor. sec. 5, with brass cap marked. $\frac{1}{4}$ S5

1920

From which

A pinon, 6 ins. dia., bears S. 87° W., 14 lks.dist., marked $\frac{1}{4}$ S5 BT.A pinon, 10 ins. dia., bears S. 60° W., 95 lks.dist., marked $\frac{1}{4}$ S5 BT.40.28 On rolling top of mesa; the $\frac{1}{4}$ sec. cor. subsequently for sec. 32, which is a red sandstone 10 x 6 x 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. I efface marks on bearing tree that pertain to sec. 5 and reestablish cor. as follows.Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, alongside old cor., for $\frac{1}{4}$ sec. cor. sec. 32, with brass cap marked. $\frac{1}{4}$ S32.

1920

From which

A pinon, 14 ins. dia., bears N. 88° E., 59 lks.dist., marked $\frac{1}{4}$ S32 BT.

RESURVEY OF THE NORTH BOUNDARY OF T. 23 S., R. 4 E.

CHAINS

	A pinon, 12 ins. dia., bears N. 2° W. , 37 lks. dist., marked $\frac{1}{2}$ SEC BT,												
	. Thence .												
	N. $82^{\circ} 25' \text{ W.}$, with continuous measurement.												
60.00	Top of abrupt descent over sandstone ledges, bears N. and												
70.00	Base of abrupt descent, 380 ft. below top, bears N. and . thence descend gradually.												
80.28	The cor. secs. 5, 6, 31 and 32, 65 ft. below base of abrupt descent, which is a sandstone, $10 \times 6 \pm 10$ ins. above ground, firmly set, marked and witnessed as described by the surveyor general, alongside of which Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 5, 6, 31 and 32, with brass cap marked.												
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T23S</td><td>R4E</td></tr> <tr> <td>S31</td><td>S32</td></tr> <tr> <td colspan="2"><hr/></td></tr> <tr> <td>36</td><td>35</td></tr> <tr> <td colspan="2">T23S ..</td></tr> <tr> <td colspan="2">1920</td></tr> </table>	T23S	R4E	S31	S32	<hr/>		36	35	T23S ..		1920	
T23S	R4E												
S31	S32												
<hr/>													
36	35												
T23S ..													
1920													
	Raise a mound of stone, 2 ft. bare, 1 $\frac{1}{2}$ ft. high, W. of cor. No suitable bearing trees available.												
	Land, broken by sandstone ledges.												
	Soil, shallow red sandy loam on mesa top, barren sandstone remainder of mile.												
	Drainage, S. into the Fremont River.												
	Undergrowth, scattering sagebrush and shadscale.												
	Timber, scattering cedar and pinon.												
	Fair grazing on all of mile.												

SUBDIVISION OF T. 23 S., R. 4 E.

	From the cor. secs. 2, 3, 10 and 11.
	North, on random line bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
73.43	Intersect the N. bdy. of the township, 35 lks. W. of the cor. secs. 2, 3, 34 and 35.

SUBDIVISION OF T. 23 S., R. 4 E.

CHAINS

Thence

S. $0^{\circ}15'$ E., on true line bet. secs. 2 and 3.

Descend gradually over rolling land through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.

2.10 Small stream of good clear water, 5 lks. wide, 3 ins. deep, in draw, 10 ft. below cor., drains S. 10° W.; continue gradual descend.

28.20 Recross same stream, drains S. 80° E.; 15 ft. below 2.10 chs. point; thence ascend abruptly.

29.80 Enter rolling top of ridge, 210 ft. above stream, bears E. and W.; thence over rolling top of ridge.

/39.43 On rolling top of ridge. Set an iron post, 3 ft. long, .1 in. dia., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked.

S3 | S2

1920

From which

A pinon, 12 ins. dia., bears S. 80° E., 61 lks. dist., marked $\frac{1}{2}$ S2 BT.

A pinon, 8 ins. dia., bears S. 20° W., 38 lks. dist., marked $\frac{1}{2}$ S3 BT.

63.75 Top of abrupt descent over sandstone ledges, bears E. and W.

70.00 Base of abrupt descent, 300 ft. below top, bears E. and W.; thence descend gradually.

/73.45 The cor. secs. 2, 5, 10 and 11, .45 ft. below base of abrupt descent.

Land, rolling except bet. the 63,75 chs. and 70.00 chs. points, which is broken by high sandstone ledges.

Soil, shallow red sandy loam mixed with loose sandstone with red sandstone subsoil.

Drainage, SE. into the Fremont River.

Undergrowth, scattering shadscale and sagebrush.

Timber, scattering cedar and pinon.

Fair grazing on all of mile.

SUBDIVISION OF T. 29 S., R. 4 E.

Chains	<p>Knowing the line bet. secs. 3 and 4 will not close on the cor. secs. 33 and 34 on the N. bdy. of the township.</p> <p>Therefore</p> <p>N. $0^{\circ}15'$ W., on true line bet. secs. 3 and 4.</p> <p>Descend gradually over rolling land through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.</p>
.80	The Fremont River, stream of good clear water, 60 lks. wide, 24 ins. deep, 10 ft. below cor., drains E.; ascend gradually.
2.40	Base of abrupt ascent of sandstone ledges, 45 ft. above river, bears E. and W.
13.30	Top of sandstone ledges, 350 ft. above base, bears E. and ascend gradually.
19.50	Ditch, 10 lks. wide, 12 ins. deep, drains SE.
33.90	Red clay spur, 40 ft. above top of ledges, projects E.; descend gradually.
40.00	On gentle N. slope of spur, 40 ft. below top. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	 S4 S3 1320
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No suitable bearing trees available.
62.40	Enter rolling bench land, 30 ft. below the $\frac{1}{4}$ sec. cor., bears E. and W.
71.80	Wash, 30 lks. wide, 4 ft. deep, drains E.
73.60	Intersect the N. bdy. of the township, S. $89^{\circ}52'$ E., 70 lk dist. from the cor. secs. 33 and 34. At point of intersection. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. secs. 3 and 4, with brass cap marked.

SUBDIVISION OF T. 29 S., R. 4 E.

CHAINS

T28S R4E

S34

S4 S3

CC.

T29S

1920

From which

A pinon, 8 ins. dia., bears S. 15° E., 47 lks.

dist., marked CC T29S R4E S3 BT.

A pinon, 10 ins. dia., bears S. $35^{\circ}15'$ W., 72 lks.

dist., mkd CC T29S R4E S4 BT.

Land, broken by sandstone ledges bet. the 2.40 chs. and
13.30 chs. points; rolling remainder of mile.Soil, shallow red sandy loam mixed with red clay with
red sandstone subsoil.

Drainage, S. into the Fremont River.

Undergrowth, scattering sagebrush and shadscale.

Timber, scattering cedar and pinon.

Fair grazing on all of mile.

From the cor. secs. 4 and 5.

N. $0^{\circ}15'$ W., on random line bet. secs. 4 and 5.40.00 Set temp. $\frac{1}{2}$ sec. cor.73.70 Intersect the N. bdy. of the township, 7 lks. W. of the
cor. secs. 4 and 5.

Thence

S. $0^{\circ}12'$ E., on true line bet. secs. 4 and 5.Ascend gradually over rolling land through scattering cedar
and pinon timber and scattering undergrowth of shadscale
and sagebrush.

130 Spur, 10 ft. above cor., projects E.; descend gradually.

16.20 Gulch, 30 ft. below spur, drains N. 80° E.; ascend
gradually.33.00 Red clay ridge, 70 ft. above gulch, bears N. 80° E. and
S. 80° W.; descend abruptly.38.70 Gulch, 100 ft. below ridge, drains SE.; thence descend
gradually over rolling land.

SUBDIVISION OF T. 29 S., R. 4 E.

CHAINS	
33.70	On gentle SE. slope, 15 ft. below gulch. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	S5 | S4
	.1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No suitable bearing trees available.
57.00	Top of abrupt descent over sandstone ledges, 45 ft. below $\frac{1}{4}$ sec. cor., bears E. and W.
79.70	The cor. secs. 4, 5, 8 and 9, 185 ft. below top of abrupt descent. Land, rolling. Soil, shallow red sandy loam mixed with red clay with red sandstone subsoil. Drainage, SE. into the Fremont River. Undergrowth, scattering sagebrush and shadscale. Timber, scattering cedar and pinon. Fair grazing on all of mile.

Boundaries T. 29 S. R. 4 E.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Lines designated	True bearing	Dist- ances	Latitudes		Departures	
		ches.	N. chs.	S. chs.	E. chs.	W. chs.
S. bdy. sec. 55.	N. $89^{\circ}47'W$.	40.00	... 15	... .	... .	40.00
	N. $89^{\circ}50'W$.	40.07	12	... .	... .	40.07
S. bdy. sec. 54.	N. $89^{\circ}52'W$.	80.20	19	... .	... .	80.20
S. bdy. sec. 35.	N. $89^{\circ}49'W$.	40.00	13	... .	... .	40.00
	N. $89^{\circ}51'W$.	40.13	11	... .	... .	40.13
S. bdy. sec. 32.	N. $89^{\circ}45'W$.	40.28	18	... .	... .	40.28
	N. $89^{\circ}25'W$.	40.00	41	... .	... .	40.00
W. bdy. sec. 5.	South	39.56	... .	39.56	... .	... .
	S. $1^{\circ}07'E$.	40.14	... .	40.13	78	... .
S. bdy. sec. 5.	S. $89^{\circ}23'E$.	80.76	... .	87	80.76	... .
S. bdy. sec. 4.	East	40.00	... .	... .	40.00	... .
	S. $89^{\circ}45'E$.	39.94	... .	18	39.94	... .
S. bdy. sec. 3.	S. $89^{\circ}53'E$.	39.80	... .	08	39.80	... .
	S. $89^{\circ}51'E$.	39.76	... .	10	39.76	... .
S. bdy. sec. 2.	S. $89^{\circ}33'E$.	40.00	... .	31	40.00	... .
	East	39.88	... .	... .	39.88	... .
W. bdy. sec. 1.	N. $0^{\circ}15'W$.	39.66	39.66	... .	... .	17
	North	32.81	52.81	... .	... .	... .
Convergency						06
Totals			80.76	81.23	320.92	320.91
Error in latitude and departure				80.76	320.91	
				.47	000.01	

GENERAL DESCRIPTION OF T. 29 S., R. 4 E.

The land embraced in this fractional township, consists of secs. 2, 3, 4 and 5, which form the foot hills of the Thousand Lake Mountains. In general, it consists of rolling bench land except for a high sandstone ledge which starts near the E. bdy. of sec. 2, and runs W., ending in the center of secs 6. The only accessible points to the top of this ledge are on the extreme E. and W. ends. On the N. bdy. of sec. 5, there is a sandstone point about 300 ft. high, which projects S. into sec. 5, about 20.00 chs. dist.

These four secs. have a good supply of water, the largest of which is the Frémont River which flows in an easterly direction near the S. bdy. of secs. 4 and 5. This stream is good clear water, about 60 lks. wide and 18 ins. deep. The water from this stream is used for irrigation purposes in the towns of Torrey, Fruita, Cainville and Hanksville. There is another small stream of water which is 5 lks. wide and 3 ins. deep that flows in a south-easterly direction through sec. 2.

A small portion of the S. bdy. of secs. 4 and 5 is being farmed and this is the only portion of the secs. surveyed that is suitable for farming. Alfalfa and grain were the principal crops being raised on the portions being farmed.

The remainder of the fractional township is covered with scattering growth of scrub cedar and pinon timber and an undergrowth of sagebrush, bunch grass and shadscale and is suitable for grazing purposes.

Indications of uranium ore were found in the north portions of secs. 3, 4, and 5.

The formation consists of sandstone and in most places is covered with a red sandy loam ranging from 4 to 12 ins. in depth.

No settlers were on this portion of the township and the only improvements were about $1\frac{1}{2}$ miles of fence and about 60 acres of tilled land. Owner's name not known.

GENERAL DESCRIPTION OF T. 23 S., R. 4 E.

No magnetic declination was taken on account of a defect needle.

water locations.

The Fremont River: S. $\frac{1}{2}$ of S. $\frac{1}{2}$ sec. 4 and the SW. $\frac{1}{4}$ of SW. $\frac{1}{4}$ sec. 3.

Small stream: W. $\frac{1}{2}$ of the NW. $\frac{1}{4}$ sec. 2, E. $\frac{1}{2}$ of the NE. sec. 3, and the N. $\frac{1}{2}$ of the S. $\frac{1}{2}$ of sec. 2.

Ellis Bird

U.S. Transitman.

**Volume

R0446**

4-680

BOOK A-446

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Verdin John	1st chairman
Wes Ballin	2nd chairman
Carlton Dutton	Vigilant
Hillard Bird	Congressman
Albert Ballin	Atorney

v-761

TRANSITMAN.

CERTIFICATE OF UNITED STATES SURVEYOR.

Elliott Bird

Transitman

I, Elliott Bird, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah,

beginning date of the 16th day of January, 1919, I have well, faithfully, and in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the Laws of the United States, surveyed all those parts or portions of the north boundary and subdivision of T. 43 S., R. 4 E.

..... of the Salt Lake Baseline Meridian, in the State of Utah, which are represented and duly diagram shown on page 1 on dates shown on ditto the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

At Salt Lake City, Utah,

this 16th day of March 1921.

U. S. Surveyor
Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 6,

The foregoing field notes of the survey of the north boundary and subdivision; and survey of a portion of the subdivision of Town No. 19 South, Range No. 4 East of the Salt Lake Baseline and Meridian,

executed by Elliott Bird

under his special instructions dated January 16, 1919, 1919, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the survey described are hereby approved.

U. S. Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in

....., has been correctly copied from the original notes on file in this office.

U. S. Surveyor General

Blank

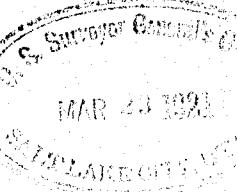
Page

Blank

Page

BOOK A-446

B



FIELD NOTES

OF THE ~~SIXTY-NINETHREE~~

RESURVEY OF 4TH STANDARD PARALLEL SOUTH,

THROUGH RANGE 21 EAST, SURVEY OF EAST,

AND NORTH BOUNDARIES, AND SUBDIVISION OF

T. 20 S., R. 21 E.

Of the _____ Salt Lake Base and _____ Meridian,

the State of _____

UTAH

EXECUTED BY

ANDREW NELSON, U. S. SURVEYOR,

CHAUNCEY J. TERRY, U. S. TRANSITMAN and

JAMES P. QUIGLEY, U.S. TRANSITMAN

~~RECEIVED IN THE SURVEYOR GENERAL'S OFFICE, U. S. DEPARTMENT OF THE INTERIOR, WASHINGTON, D. C.~~, under Special Instructions dated July 22, 1918

issued by the United States Surveyor General to govern surveys included in Group

77, which were approved by the Commissioner of the General Land
Office, Aug. 10, 1918, and Assignment Instructions dated Oct. 1, 1919 /
Supplemental Assignment Instructions dated May 7, 1920 /

Survey commenced October 17, 1919

Survey completed June 1, 1920

BOOK A-446

INDEX DIAGRAM.

Township 20 South Range 21 East

29	27	25	24	23	21
6	96	5	78	4	64
95	94	77	63	51	40
7	93	8	75	9	62
92	90	74	61	50	11
18	89	17	72	16	59
88	87	71	59	47	36
19	86	20	70	21	58
85	84	69	56	46	23
30	82	29	67	28	55
81	80	66	54	43	35
31	79	22	65	33	53
12	10	9	8	6	5

BOOK A-446

4-679 b

INDEX DIAGRAM.

Township 205, Range 21E

219	215	213	212	211	209
6 224	5 216	4 252	3 240	2 229	1 207
223	262	265	251	229	228
7 281	8 263	9 250	10 238	11 234	12 206
280	278	262	249	237	225
18 277	17 260	16 245	15 236	14 225	13 205
276	275	259	247	235	224
19 274	20 258	21 246	22 234	23 223	24 204
273	271	257	244	233	222
30 270	29 255	28 243	27 231	26 221	25 203
269	268	254	242	231	220
31 267	32 253	33 241	34 229	35 217	36 202
266	178	194	195	197	193

6-1817

T. 20 S., R. 21 E.

DATE DIAGRAM OF T. 20 S., R. 21 E.

10-21/19	10-21/19	10-21/19	10-22/19	10-22/19	10-22&23/19
10-29/19	10-28/19	10-27/19	10-27/19	10-24/19	10-24/19
6	5	4	3	3	1
6-1/20	5-23/20	5-22/20	11-18/19	11-15/19	11-13/19
7	8	9	10	11	12
5-29/20	5-28/20	11-21/19	11-17/19	11-14/19	11-12/19
18	17	16	15	14	13
5-26/20	5-27/20	11-19/19	11-11/19	11-11/19	11-11/19
19	20	21	22	23	24
5-22/20	5-24/20	11-7&10/19	11-4/19	11-4/19	10-31/19
30	29	28	27	26	25
11-25/19	5-21/20	11-7/19	11-4/19	11-1/19	10-31/19
31	32	33	34	35	36
10-18/19	10-18/19	10-19/19	10-19/19	10-19/19	10-19/19
11-24/19	11-24/19	11-5/19	11-3/19	11-3/19	11-3/19

All lines dated and colored with red ink were surveyed jointly by
Andrew Nelson, U.S. Surveyor and Chauncey J. Terry, U.S. Transitman

All lines dated and colored with black ink were surveyed by
Andrew Nelson, U.S. Surveyor.

All lines dated and colored with green ink were surveyed by
James P. Quigley, U.S. Transitman.

T. 20 S., R. 21 E.

Survey commenced Oct. 17, 1919, and executed with a

Young & Sons light mountain transit No. 8580, equippt with Smith solar attachment and full vertical circle. The horizontal limb is provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circle.

The instrument was approved for use in this survey by the Assistant Supervisor of Surveys for Utah, conditional upon satisfactory field tests, in assignment instruction dated Oct. 1, 1919.

I examine the adjustments of the transit and correct all errors, then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris I proceed as follows:

At my camp, which is situated near center of sec. 15, T.20 S., R.21 E.; approximate latitude $39^{\circ} 05' N.$; longitude $109^{\circ} 36' W.$; Oct. 13, 1919, at 9 a.m. apparent time, I set off $39^{\circ} 05'$ on the lat. arc; $7^{\circ} 31'S.$ on the decl. arc; and determine a meridian with the solar and note a definite point on top of ledge about 5 miles distant, which bears $N. 5^{\circ} 42' E.$, hereafter used as reference point.

At appx. apparent noon, instrument in the meridain, with lat. arc. unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc. is $7^{\circ} 34'S.$, which is within $\frac{1}{4}'$ of the computed declination of the sun.

Also at this station, with the telescope in the meridian and elevated to the sun's altitude, I observe the sun's transit for time, noting the watch time of transit of each limb.

Mean watch time of apparent noon - 11M 47m 30s

Watch fast of L.M. T. ----- 1m 4s

T. 20 S., R. 21 E.

At 3h6m p.m. apparent time, with the lat. arc unchanged

I set off $7^{\circ} 37' S.$, on the decl. arc; and determine a meridian with the solar, the above reference point bears N. $5^{\circ} 41\frac{1}{2}' E.$

Oct. 13: At the above station, at 6h 10.5m p.m., l.m.t.,

I observe Polaris, at eastern elongation, making six observations, three each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground, about 10 chs. N.

Azimuth of Polaris at eastern elongation - $1^{\circ} 26' 45''$.

Oct. 14: I lay off the azimuth of Polaris, $1^{\circ} 26' 45''$, to the west, and mark the meridian thus determined, by a tack in a peg driven firmly in the ground, about 10 chs. N. From this meridian the above stated reference point bears N. $5^{\circ} 42' E.$

All of the solar observations during the usual working hours come within $1' 0''$ of the true meridian; I conclude that the adjustments of the instrument are satisfactory.

The survey of this township was discontinued after Nov.

25, 1919, and operations were again resumed in May 1920, and executed with Young & Sons transits Nos. 8520, used by Nelson; and 8534, used by Quigley, equipt with Smith solar attachment; identical description as stated for transit No. 8580.

May 20, 1920; at the above station, at 9h 20m a.m., app.t., set off $39^{\circ} 05'$ on the lat arcs of instruments Nos. 8520 and 8534; $20^{\circ} 01' N.$ on the decl. arc; and determine meridians with solars which I find agree with the true meridian.

At apparent noon with the lat. arcs. unchanged, observe the sun on the meridian; the resulting reading of the declination arcs is $20^{\circ} 62\frac{1}{2}' N.$, which agrees with the computed declination of the sun.

RESURVEY OF 4TH STANDARD PARALLEL THROUGH RANGE 21 EAST

At 3h 30m p.m. app.t., with the lat. arcs. unchanged, set off set off $20^{\circ} 05' N.$ on the decl. arcs; and determine meridians with the solars which I find do not vary more than 1' from the true meridian.

As all of the solar observations during the usual hours of solar work come within 1' of the true meridian, I conclude that the adjustments of the instruments are satisfactory.

I also made hour angle observations on Polaris on line, Oct. 16, 1919, at the NW. cor. of this tp., and Oct. 17th at the SW. cor. of this tp.

The instruments were kept in good adjustments during the progress of this survey, frequent tests being made on meridians determined by observations on Polaris.

Measurements.

Unless otherwise specified all measurements are made with Lallie steel ribbon tapes 5 and 8 chains in length compared with a Lufkin standard steel tape, 1 chain in length, and found correct. The measurements are made on the slope, the vertical angle determined with clinometers, and the slope measurements properly reduced to true horizontal distances.

Resurvey of 4th Standard Parallel South, through Range 21 East.

From the standard cor. of Ts. 20 S., Rs. 20 and 21 E., hereinafter described.

Thence,

East, on a random line, along S. bdy. of T. 20 S., R. 21 E., setting temporary $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs., and at 480.00 chs. set. temp. standard cor. of Ts. 20 S., Rs. 21 and 22 E.; subsequently this temp. cor. was moved east, 6.20 chs. dist. to true east bdy. of the tp., or at,

486.20 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in ground, for standard cor. of Ts. 20 S., Rs. 21 and 22 E.,

Resurvey of 4th Standard Parallel South, through Range 21 East.

Chains

with brass cap marked

	SC
	T20S
R21E	R22E
S36	S31

1919

raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

From this cor. the old standard tp. cor. bears S.88°45'W., 5.53 chs. dist., which is a sandstone 18x 20x 5 ins. above ground, properly marked and witnessed as described by the surveyor general. I destroy all traces of this cor.

The old closing cor. of Ts. 21 S., Rs. 21 and 22 E., a sandstone 16x 8 x 4ins. above ground, firmly set, marked and witnessed as described by the surveyor general, bears S. 87°0'W., 1.53 chs. dist. I do not destroy this cor.

Thence from the standard cor. of Ts. 20 S., Rs. 21 and 22 E. as just established by me.

West, on true line, resurveying the 4th Standard Parallel South, through Range 21 E.

Over low rolling, open bench or desert lands, having a slight general exposure to SE., through short scattered shadscale, greasewood, and some sage.

9.80 Small wash, 5 lks. wide, 2 ft. deep, course S.

32.40 Wash, 10 lks. wide, 3 ft. deep, course S.

39.80 Shallow wash, 15 lks. wide, 1 ft. deep, course SE.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for standard $\frac{1}{4}$ sec. cor., with brass cap mkd.,

SC

S36

1919

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

I destroy all traces of the old $\frac{1}{4}$ cor.

41.60 Old dim wagon road (unused) brs. NW. and SE.

Resurvey 4th Standard Parallel South, through Range 21 East.

Chains									
49.25	Top of low raise, bears N. and SE.; gradually desc. rolling SW. and S. slopes over numerous small washes, putting S.								
68.75	Base of descent, 65 ft. below raise, and enter large wash, 20 lks. wide, 5 ft. deep, course SE., from W.								
70.75	A large wash from the N. enters at this point.								
72.00	Leave wash, from NE. to W.								
77.70	Recross same wash, course NE.								
80.00	Same wash, 25 lks. wide, 5 ft. deep, in ravine about 2 chs. wide. True point for sec. cor. falls in wash, course SE. No cor. set at this point; therefore at								
80.15	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for witness cor. to the standard cor. of secs. 35 and 36, with the brass cap marked								
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>SC</td> <td></td> </tr> <tr> <td>T20S</td><td>R21E</td> </tr> <tr> <td>S35</td><td>S36</td> </tr> <tr> <td colspan="2" style="text-align: right;">WC</td> </tr> </table>	SC		T20S	R21E	S35	S36	WC	
SC									
T20S	R21E								
S35	S36								
WC									
	1919								
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.								
	Land, low rolling bench or desert land, having a general exposure and drainage to SE.								
	Soil, heavy blue clay; surface strewn with scattered small boulders; subsoil, clay.								
	Undergrowth, short, scattered shadscale, greasewood and sage. No timber.								
	Fair grazing land.								
	I-find and destroy all traces of the old cor.								

	West, on resurvey line, along S. bdy. sec. 35.								
	Over low rolling desert land, facing SE., through short undergrowth of shadscale and greasewood. Counting distance from true cor. point.								
7.50	Cross N. end of low gravelly bench, 20 ft. high, extends S.								
25.60	Wash, 20 lks. wide, 7 ft. deep, course SE.								
26.35	Dim trail, bears NE. and SW.								

Resurvey 4th Standard Parallel South, through Range 21 East.

Chains	
40.00	On gentle SE. slope. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for standard $\frac{1}{4}$ sec. cor., with brass cap marked SC <u>S35</u> ab 1919. Cor. angle 11° no miscellany. 1919 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
53.50	I find and destroy all traces of the old $\frac{1}{4}$ sec. cor. Begin steeper ascent towards foot of mountainous land, bears N. and SW.
57.00	Small spur, 60 ft. above $\frac{1}{4}$ cor., projects SE. Depression, 40 ft. deep, drains SE.; leave desert or bench land, enter broken clay breaks, lying under high sandstone rim, bears SW. and NE.; asc.
78.00	Top of ascent on S. slope, 285 ft. above $\frac{1}{4}$ cor., ascends NE. to rim; desc.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for standard cor. of secs. 34 and 35, with brass cap marked 1919.
82.00	Right side of sec. 32 S. 1919. Cor. angle 11° no miscellany. T20S R21E post ab. 1919. Cor. angle 11° no miscellany. S34 S35
85.00	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. 1919. Cor. angle 11° no miscellany.
87.00	I find and destroy all traces of the old sec. cor.
89.00	My cor. stands on E. edge of small depression, drains S., among broken clay formation. Cor. angle 11° no miscellany.
91.00	E. of 57 chs. is rolling desert or bench land; remainder of mile is mountainous, lying under a high sandstone rim to the N. of line; general exposure and drainage on mile to SE. and S. 1919. Cor. angle 11° no miscellany.
93.00	Soil, heavy blue clay, with scattered boulders on surface. Undergrowth, short, scattered shadscale and greasewood.
95.00	No timber. Poor grazing land.

Resurvey 4th Standard Parallel South, through Range 21 East.

Chains	
	West, on resurvey line, along S. bdy. sec. 34.
	Over mountainous land, along broken S. slope, through very scattered undergrowth.
11.40	Small draw, 40 ft. deep, course S.
19.00	Depression on S. slope, 100 ft. below cor., drains SE.; begin abrupt ascent E. slope, over high break, bears S. and NE., 500 ft. to
31.10	Top of sandstone cliff, 150 ft. high, and edge of high bench, bears N.35°E. for 10 chs. thence to E., and S.25°W. for 15 chs. thence to N. and E.; enter medium dense scrub cedar timber, bears with bench.
	Thence across level top of bench to
39.65	W. edge of bench and top of 30 ft. sandstone ledge, bearing N.20°W. and S.20°W.; desc. abrupt W. slope, through few scattered trees.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for standard $\frac{1}{4}$ sec. cor., with brass cap marked SC S34
	1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.; impracticable to build mound to N. of cor.
	No suitable trees within limits.
	I find and destroy the old $\frac{1}{4}$ sec. cor.
	Continue abrupt descent over W. and NW. slopes.
56.60	Draw, 425 ft. below $\frac{1}{4}$ cor., course SW.; gradually asc. along S. slope, 60 ft. to
73.50	Top of ascent on S. slope, extends N. 8 chs. dist. to high rim, bearing NE. and NW.; desc. SW. slope, 100 ft.
79.80	Wash, 30 lks. wide, 6 ft. deep, in deep hollow, 3 chs. wide, course S.30°E.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for standard cor. of secs. 33 and 34, with brass cap marked
	SC T20S R21E S33 S34

Resurvey 4th Standard Parallel South, through Range 21 East.

chains

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Cor. stands on top of bench, near N. edge. I find and destroy all traces of the old sec. cor. Land, mountainous, lying along foot of the Book Cliff mountains, abrupt rocky slopes; general exposure and drainage to S. Soil, heavy clay, mixed with rock; boulders and ledges. Undergrowth, scattered shadscale, greasewood and some sage. Timber, medium dense scrub cedar on top of bench, few scattered on N. slope. Poor grazing land.

- West, on resurvey line, along S. bdy. of sec. 33.
- Over mountainous land, through short scattered undergrowth and few scattered cedar trees.
- 2.00 Leave hollow bottom, bears NW. and SE.; asc. abrupt NE. slope, 415 ft. to top of rim ledge and rim of bench.
- 23.30 Top of 40 ft. rim ledge and rim of bench, bears N. 30° W. and S. 30° E.; thence over flat top of bench through medium dense timber.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in ground to bedrock and in a mound of stone, 5 ft. base, for standard $\frac{1}{4}$ sec. cor., with brass cap marked SC
S33
- 1919
- raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No suitable trees for bearing trees, too scrubby. I find and destroy all traces of the old $\frac{1}{4}$ cor. Cor. stands on top of bench, near N. edge.
- 40.50 W. edge of bench and E. rim of canyon, bears NW., and S. for 12 chs., thence to SE. and E.; desc. abrupt W. slope over rim ledges and boulders; leave all but few scattered trees.
- 49.65 Wash, 40 lks. wide, 5 ft. deep, in bottom of canyon,

Resurvey 4th Standard Parallel South, through Range 21 East.

Chains

- 2 chs. wide, 335 ft. below $\frac{1}{2}$ cor., course S.10°E., from NW.; abrupt ascent SE. slope, over boulders and ledges 335 ft. to top of bench, bears N. for 5 chs.
- 65.60 W. rim of canyon and edge of bench, bears N. for 5 chs. thence to NE. and N., and S. 50°E. for appx. $\frac{1}{2}$ mile to end.; gradually asc. along top of rolling and broken clay bench, 75 ft. to top of bench, yellow wood, 335 ft. to top of bench, yellow wood, 335 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for standard cor. of secs. 32 and 33, with brass cap marked "4th Parallel Survey, 1919".

SC 1st. Line Boundary
T20S R21E
S32 S33

1919

- raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.; unable to build mound to N. on account of dead tree stump. Cor. stands on a NE. slope, slight depression, at foot of high ledgy point to NE. about 6 chs. dist. I find and destroy all traces of the old sec. cor. On sec. Land, mountainous; broken benches and canyons; drainage to S. and SE. Soil, blue clay on slopes and canyon bottoms; shallow sandy loam and sandstone bedrock on the benches; with sandstone boulders and ledges. Undergrowth, short, scattered shadscale and greasewood. Timber, scattered scrub cedar on portions of mile. Poor grazing land.

- West, on resurvey line, along S. bdy. sec. 32. Over rolling and broken bench, through short, scattering undergrowth; gradually asc.
- 1.85 Trail, bears N.30°E. and S.70°W.
- 4.00 Top of ascent, bears N. 3 chs. to sandstone rim, and SE.; gradually desc. W. slope.
- 19.00 Trail, bears N.60°W. and S.70°E.
- 27.20 E. rim of gulch, bears N. and S.

Resurvey 4th Standard Parallel South, through Range 21 East.

Chains	
29.75	Bottom of short gulch, 75 ft. deep, course S.10°W., heads 6 chs. to N. of line. Cut bedrock and boulders.
33.00	W. edge of same, bears N.30°E. and SW.; thence over nearly level bench, through medium dense timber.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in ground to bedrock, and in a mound of stone, 6 ft. base, for standard $\frac{1}{4}$ sec. cor., with brass cap marked
	SC <u>S32</u>
	1919
	Find a dead pine tree, 10 ft. tall, 6 in. diam., from which
	A pinon, 8 ins. diam., bears N.71°E., 65 lks. dist., marked SC & S32 BT.
	No other suitable tree within limits.
	I find and destroy all traces of the old $\frac{1}{4}$ sec. cor.
40.55	Leave bench, and timber, bears N.30°W. and SE.; desc. abrupt SW. slope, over boulders and ledges, 290 ft. to
53.20	Wash, 50 lks. wide, 3 ft. deep, in bottom of Sagers canyon, 2 chs. wide, course S.50°W.; asc. 100 ft. to
59.75	Top of point between canyons, descends to NE.; desc. 65 ft.
62.50	Bottom of canyon from the N., enters Sagers canyon, 6 chs. to N. of line., course at this point NE.
64.50	Recross same, course SE.; asc. abruptly over ledges and boulders, SE. slope, 235 ft. to
71.60	Rim of the canyon, bears N.70°W. and S.70°E.; thence over rolling bench, through scattering timber.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for standard cor. of secs. 31 and 32, with brass cap marked
	SC T20S R21E TS31 S32
	1919
	Find a dead pine tree, 10 ft. tall, 6 in. diam., raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of the rim rock to point and have brass cap marked on cor. Trees within limits but too scrubby to mark.
	I find and destroy all traces of the old sec. cor.
	Land, mountainous, rolling and broken benches; having a general southern exposure and drainage.

Resurvey 4th Standard Parallel South, through Range 21 East.
Chains

- Soil, blue clay, and some shallow sandyloam, with sandstone boulders and ledges; subsoil, bedrock of sandstone. Undergrowth, short, scattered shadscale and greasewood. Timber, some scattered scrub cedar.
- Poor grazing land.
- West, on resurvey line, along S. bdy. sec. 31.
- Over broken mountainous land, through scattered short undergrowth and very scattered cedar timber.
- Along broken bench, facing N.
- 2.25 Gulch, 40 ft. deep, course N. to main canyon, heads to S. about 8 chs.
- 6.90 Trail, bears N.30°W. and S.30°E.
- 10.70 Small drain, course N.; N. edge of bench at foot of sandstone rim; bears N.60°W. and S.60°E.; abrupt ascent over ledges on NE. slope.
- 16.85 Main rim ledge, 60 ft. high, bears N.60°W. and S.60°E.
- 22.25 E. edge, top of high spur, bears same as base, 450 ft. above the 10.70 ch. point.
- 30.00 W. edge, top of spur, bears N.70°W. and S.60°E.; desc. abruptly over series of ledges.
- 35.00 65 Ft. perpendicular ledge, extends N.70°W. and S.60°E.
- 39.20 Base of spur, 410 ft. below top, bears N.80°W. and S..70°E., thence over broken land facing to S.
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for standard $\frac{1}{4}$ sec. cor., with brass cap marked S31.
- raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- I find and destroy all traces of the old $\frac{1}{4}$ sec. cor.
- 65.00 Begin steep ascent over SE. face of spur, series of rim ledges, bears N.80°E. and S.80°W.
- 77.00 Rim ledge, 50 ft. high, bears with base.
- 79.80 The closing cor. of Ts. 21 S., Rs. 20 and 21 E., which

Resurvey 4th Standard Parallel South, through Range 21 East

Chains	is a sandstone 20x9x7 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general.
80.40	Cross head of box ravine; course S.60°E.; asc.
82.55	Vertical ledge, 40 ft. high, extends N.70°E. across ravine, and S.40°E..
86.20	On NE. slope, 150 ft. above ravine. Intersect the standard cor. of Ts. 20 S., Rs. 20 and 21 E., which is an iron post, 3 ins. in dia., extending 10 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general; alongside of post is the original stone cor., a sandstone 16x12x6 ins. above ground, properly marked.
	Land, rough mountainous, with abrupt slopes, rimmed with vertical sandstone ledges, 20 to 60 ft. high; the E. 30 chs. faces to NE. and remainder to S.; drainage of country to S.
	Soil, mostly rock in form of sandstone ledges and boulders mixed with blue clay and gravel.
	Undergrowth, short, scattered shadscale and greasewood.
	Timber, some scattered scrub cedar on portions of mile.
	Poor grazing land.
	Note: In the resurvey of this line all the original corners were found to agree very closely with the record courses and distances given and to check with the topography on the ground. All of said corners were destroyed by me as noted in the above notes.

East Boundary of T. 20 S., R. 21 E.

From the temporary standard cor. of Ts. 20 S., Rs. 21 and 22 E., just established by me, set East, 480.00 chs. dist. of the Sta. Cor. of Ts. 20 S., Rs. 20 and 21 E.; thence

North, on random line for alignment only, along range line, bet. ranges 21 and 22 E., through T. 20 S., this line falls 6.20 chs. east of the cor. of Ts. 19 and

East Boundary of T. 20 S., R. 21 E.

Chains

20 S., Rs. 21 and 22 E., which is an iron post, 3 ins. dia., hereinafter described. I return to the temp. sta. tp. cor. and move same 6.20 chs. east, where permanent sta. tp. cor. is established, for description see resurvey of 4th Sta. Par. S., thence

From Sta. cor. of Ts. 20 S., Rs. 21 & 22 E., North, on true line, bet. secs. 31 and 36.

Over gently rolling open valley land, through very short undergrowth of shadscale and brouse; gently asc. land having a slight general SW. exposure.

22.90 Top of raise and N. edge of the higher bench, 55 ft. above pp. cor., bears N.70°W. and S.70°E.; desc. N. slope, 50 ft. to

26.00 Base of descent, bears same as top; thence over nearly level lower bench, through heavier undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S36 | S31

1919

dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.

42.70 Wash, 10 lks. wide, 2 ft. deep, course N.80°E.

47.60 Wash, 10 lks. wide, 3 ft. deep, course S.80°E.

63.05 Wash, 15 lks. wide, 4 ft. deep, in ravine 25 ft. deep, course S.80°E.

80.00 On nearly level bench.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in ground, for cor. of secs. 25, 30, 31 and 36, with brass cap marked

T20S	
R21E	R22E
S25	S30
S36	S31

1919

dig pits, 18x18x12 ins., in each sec., 3 ft. dist. of post.

Land, gently rolling and nearly level benches; exposure

BOOK A-440 -15-
East boundary of T. 20 S., R. 21 E.

Chains	to S. and SW. on S. 23 chs., and to NE. on remainder. Soil, clay loam, mixed with gravel; clay subsoil. Undergrowth, short shadscale and greasewood. No timber. Fair grazing land.
5.50	North, on true line, bet. secs. 25 and 30.
28.25	Over gently rolling benches, slight exposure to E.; through short undergrowth.
30.00	Enter level bottom land, along Cisco Wash, bears NE-SW.
33.00	Cisco (or Nash) Wash, 75 lks. wide, 25 ft. deep, course S.70°E. asc.
35.50	Small branch wash, 15 lks. wide, 7 ft. deep, course SE.; leave bottom land and heavy greasewood, bears E. & W.; asc.
40.00	Thence over rolling bench, facing to SE.
	In slight depression, on SE. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S25 | S30 1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
60.00	Top of gradual ascent on bench, 85 ft. above Cisco Wash, thence over smooth top of bench, bears E. and W.
69.25	Road, from Turners' ranch to Cisco, bears N.80°W. and S.80°E.
80.00	On nearly level bench.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 19, 24, 25 and 30, with brass cap marked
	T20S R21E | R22E S24 | S19 S25 | S30 1919

dig pits, 18x18x12 ins., in each sec., 3 ft. dist of post.

East boundary of T. 20 S., R. 21 E.

Chains

Land, rolling and nearly level benches, facing and draining into Cisco Wash, course S.70°E.
Soil, clay loam, mixed with sandy and gravelly loams; surface on portions of mile strewn with small cobble rock; subsoil clay.
Undergrowth, short shadscale, excepting along main wash bottom, where tall greasewood is found.
No timber. Fair grazing land.

5.10

Small wash, 15 lks. wide, 4 ft. deep, course SE.

16.00

Begin slight descent along NE. slope.

40.00

Near head of small drain, course SE.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground; for $\frac{1}{4}$ sec. cor.; with brass cap marked

S24 | S19

1919

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

42.60

Top of slight raise, bears NW. and SE.; thence over rough and low broken surface, facing to S., blue clay formation.

59.15

Wash, 15 lks. wide, 3 ft. deep, at base of descent in ravine, course SE.

66.75

Recross same at bend, from NW. to SW.

74.25

Recross same wash, course S.30°W.; asc. 50 ft. to

80.00

On top slight raise, bears N.10°W. and SE.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 13, 18, 19 and 24, with brass cap marked

T20S

R21E | R22E

S13 | S18

S24 | S19

1919

East boundary of T. 20 S., R. 21 E.

Chains	
	dig pits, 18x18x12 ins., in each sec., 3 ft. dist. of post.
	Land, gently rolling on S. 42.60 chs., and low broken and rough surface of bench on remainder; drainage SE.
	Soil, blue clay and shale on northern portion of mile; clay with sandy and gravelly loams on remainder.
	Undergrowth, short, scattered shadscale.
	No timber. Poor grazing land.
	North, on true line, bet. secs. 13 and 18.
	Over rolling and hilly land facing SE.; through short shadscale undergrowth; ascending.
13.00	Head of small wash, course SE.
20.00	Leave blue clay, enter gravelly formation, bears E-W.
24.70	Top of ascent on stony hill, 160 ft. above sec. cor., bears N.70°W., and extends E. 5 chs. to point of sloping wash; no gullies, but gullies on side, and off.
29.00	Depression in top of hill, 50 ft. deep, drains NE.
31.45	N. edge, top of hill, extends E. 1 ch. to end and W. about 10 chs. dist. to end; abrupt descent N. slope.
39.60	Base of hill, 160 ft. below top, bears E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S13 | S18
	1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
42.50	Thence over rolling benches, facing S. and NW. 40 lks. wide, 10 ft. deep, course E.; asc. 40 ft.
48.40	Top of S. edge of narrow, sandy bench, bears N.70°W. and S. 70°E.
55.00	N. edge of same, bears same; desc. 50 ft. to
57.90	A main wash, 30 lks. wide, 10 ft. deep, course SE., from NW.

East boundary of T. 20 S., R. 21 E.

Chains	Description			
60.90	Wash, 25 lks. wide, 8 ft. deep, course S.30°W. to junct. with the main wash.			
63.65	Recross same wash, course SE. into valley bend.			
67.85	Same wash, course SW. close to southern river bend.			
75.55	Same wash, course SE. across valley said .1163			
78.30	Same wash, course SW. every 100 ft. above river bend.			
80.00	On gentle SE. slope, 25 ft. above wash. original Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in ground to bedrock, and in a large mound of stone, 6 ft. base, 2 ft. high, for cor. of secs. 7, 12, 13 and 18, with brass cap marked			
	original T20S R21E R22E S12 S7 on line to sec. 1919 S13 S18			
	1919			
	No accessary mound built.			
	Land, rolling, hilly and broken benches; southern exposure; drainage to SE.			
	Soil, blue clay, gravelly and light sandy loam; cobble rock on surface on portions of mile.			
	Undergrowth, short shadscale and greasewood.			
	No timber. Fair grazing land.			
	1919			
	Over rolling land facing S., through sparse undergrowth.			
9.55	Wash, 30 lks. wide, 6 ft. deep, in ravine, 20 ft. deep, course SE. to S.			
15.50	Same at bend, from NW. to S.20°W.			
40.00	On gentle S. slope, 115 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked			
	original T20S R21E R22E S12 S7 on line to sec. 1919			
	1919			
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.			

East boundary of T. 20 S., R. 21 E.

Chains

- 64.00 Enter scattering cedars, bears N. 30°E. and S. 30°W.
 75.25 Wash, 20 lks. wide, 4 ft. deep, in ravine, 30 ft. deep,
 at bend, from NW. to SW.
 80.00 On a SW slope, 115 ft. above $\frac{1}{4}$ cor.
 Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in
 ground, for cor. of secs. 1, 6, 7 and 12, with brass
 cap marked

T20S	
R21E	R22E
S1	S6
S12	S7

1919

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
 cor. Trees within limits but too scrubby to mark,
 land, rolling, having a southern exposure and drainage.
 Soil, gravelly, clay and sandy loams, mixed with rock;
 on clay subsoil.

Undergrowth, short; scattered shadscale and greasewood.
 Timber, scattering scrub cedars on N. 16 chs.
 Fair grazing land.

North, on true line, bet. secs. 1 and 6.

Over rolling land, facing S., through scattering cedar
 timber, and short shadscale undergrowth.

- 5.35 Ravine, 30 ft. deep, course S. 30°W.
 40.00 On a steep, rocky W. slope, 100 ft. above sec. cor.
 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
 ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

+	
S1	S6

1919

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
 cor.

- 48.00 Base of mountainous land, breaks of Book Cliff mountains
 bears SE. and W.; abrupt ascent S. slope, 240 ft. to
 57.00 Top of abrupt ascent, bears SE. and SW.; thence more
 gradual ascent over broken bench.

East boundary of T. 20 S., R. 21 E.

Chains							
68.54	The cor. of Ts. 19 and 20 S., R. 21 E., for description see survey North bdy.						
71.70	Leave bench; asc. abruptly SE. face of break over ledge.						
81.55	Top of 100 ft. perpendicular sandstone ledge, bears E. and NW.						
82.97	Top of ascent on a S. slope, 520 ft. above tp. cor.; thence along a S. slope to						
	Intersect the old cor. of Ts. 19 and 20 S., Rs. 21 and 22 E., which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, and properly marked as described by the surveyor general; unwitnessed. This cor. now refers to Ts. 19 and 20 S., R. 22 E. only. I destroy marks pertaining to R. 21 E., leaving same mark as follows:						
	<table border="1"> <tr><td>T19S</td></tr> <tr><td>R22E</td></tr> <tr><td>S31</td></tr> <tr><td>S36</td></tr> <tr><td>R22E</td></tr> <tr><td>T20S</td></tr> </table>	T19S	R22E	S31	S36	R22E	T20S
T19S							
R22E							
S31							
S36							
R22E							
T20S							
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, SE. of post.; impracticable to place mound to E. This cor. stands on steep E. slope, about 100 ft. above gulch, which bears E. 2 chs. dist., and drains S. 10° E. Note: Coal veins, 1' to 6 ft. thick extend along this break.						
	S. 48 chs. rolling bench land, facing S.; remainder of mile is mountainous; breaks of the Book Cliff Mountains, with abrupt ledgy slopes, necessitating long detours to climb.						
	Soil, clay and rocky sandstone formation; ledges and boulders.						
	Undergrowth, short scattered shadscale.						
	Timber, scattering scrub cedars on S. portion of mile.						
	Poor grazing land.						
<hr/>							
<u>North Boundary of T. 20 S., R. 21 E.</u>							
From the closing cor. of Ts. 20 S., Rs. 20 and 21 E.,							

North Boundary of T. 20 S., R. 21 E.

Chains

which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general, thence East, on random line, for alinement only, along N. bdy. of T. 20 S., R. 21 E.; this line intersects the E. bdy. of tp., at a point 14.43 chs. South of the old cor. of Ts. 19 and 20 S., Rs. 21 and 22 E., heretofore described, at point of intersection,

Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in ground, for cor. of Ts. 19 and 20 S., R. 21 E., with brass cap marked

T19S
R21E
S36
S1
T20S

1919

raise a mound of stone, 3 ft. base, 2 ft. high, W. of post.

This cor. stands on abrupt E. slope at foot of a high sandstone rim to W. and N. of line, extending NE to E. and S. to SW., and about 4 chs. dist. to W. of gulch, draining SE,

Thence,

West, on true line, bet. secs. 1 and 36.

Over rough mountainous land, through very scattered shadscale and greasewood; abrupt ascent over E. face of break, bearing N. 35° E. and S. 20° W.

2.60 Top of 100 ft. perpendicular sandstone ledge and rocky spur, 300 ft. above tp. cor., extends S. 1 ch. to end, and bears N.; abrupt descent W. face, 200 ft. to

6.00 Base of the main rim ledge, bears N. 80° W. and SE.; thence along abrupt S. slope under ledge.

14.70 The rim ledge 50 lks. N. of line, turns to NE.; begin descent N. slope, 200 ft. to

23.65 Top of a lower rim ledge, 50 ft. high, bears NE. for 2 chs. thence to NW., and S. 60° W. for 6 chs. thence to E.; enter scattering cedar timber, bearing same; desc. abruptly N. slope, 250 ft. to

North boundary of T. 20 S., R. 21 E.

Chains	
32.95	Bottom of short gulch, course SW.
36.15	Hollow, course S.; asc. E. slope, 80 ft. to
40.00	On top of low gravelly bench, sloping S. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S36
	$\frac{1}{4}$ S1
	1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No suitable trees within limits.
43.10	Leave bench, bears N. and S.; desc. W. slope, 90 ft. to
44.75	Gulch, course S.; asc. 55 ft.
55.30	Top of ascent bet. gulches, ascends to N.
59.20	Small gulch, 50 ft. deep, course SE.
61.00	Begin steep ascent over rocky E. slope; enter heavier timber, bears NE. and SW.
75.75	Top of ascent on E. edge of bench, 425 ft. above last gulch, bears N. and S.; thence across top of rocky benc
79.45	W. rim of bench, bears NW. and S.; desc. abrupt W. slope, 20 ft. to
80.00	On a steep, rocky W. slope. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 1, 2, 35 and 36, with brass cap marked
	T19S | R21E S35 | S36 S2 | S1 1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.; trees within limits but too scrubby to mark.
	Land, rough mountainous, lying along S. slope and near foot of the Book Cliff Mountains, having abrupt ledgy slopes and very difficult to survey.
	Soil, mostly rocky in form of ledges and boulders, with clay, gravel and some shallow sandy loam.

North Boundary of T. 20 S., R. 21 E.

Chains	
	Timber, scattering scrub cedars on portions of mile. Undergrowth, scattering shadscale, greasewood, with some sage on bench tops. Poor grazing on greater portions of mile.

	West, bet. secs. 2 and 35.
	Over rough mountainous land, through scattering cedar timber and short undergrowth; desc. rocky SW. slope.
4.20	Base of descent, depression on steep S. slope, 150 ft. below cor., drains. S. 20°W.; asc. abrupt SE. slope, 210 ft. to
16.10	Top of 50 ft. rim ledge on E. edge of bench, bears N. 70°E. and S. 60°W.; thence across narrow point of bench, which extends SW. about 4 chs. to point.
18.25	W. rim of high bench and top of 130 ft. vertical ledge, bears N. and extends S. $\frac{1}{4}$ ch. to point. Abrupt descent W. and NW. slopes, 440 ft. to
32.50	Wash, 40 lks. wide, 3 ft. deep, in bottom of hollow, course S.; asc. SE. slope, 55 ft. to
40.00	On rocky SE. slope. Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in ground to underlying rock, and in a mound of stone, 5 ft. base, for $\frac{1}{4}$ sec. cor., with brass cap marked S35
	S2 and S35 junction 1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Trees within limits but too scrubby to mark.
42.25	Top of raise bet. hollows, 30 ft. above $\frac{1}{2}$ cor., bears N. Descend 110 ft. to
53.35	Wash, 30 lks. wide, 8 ft. deep, in hollow, course S.; thence over low rolling land facing SE.
68.00	Begin abrupt ascent E. slope, bears N. and S.
79.20	Top of 12 ft. rim ledge and E. edge flat bench, 485 ft. above last hollow, bears N. and S.

North Boundary of T. 20 S., R. 21 E.

Chains							
80.00	<p>Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in ground to bedrock, and in a large mound of stone, for cor. secs. 2, 3, 34 and 35, with brass cap marked</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T19S</td><td>R21E</td></tr> <tr> <td>S34</td><td>S35</td></tr> <tr> <td>S3</td><td>S2</td></tr> </table> <p>T20S 1919</p> <p>raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Trees within limits but too scrubby to mark.</p> <p>Land, rough and broken mountainous, having a general southern exposure and drainage.</p> <p>Soil, rocky in form of sandstone boulders and ledges, mixed with shallow clay and sandy loams; subsoil, sandstone bedrock.</p> <p>Timber, scattered to medium dense scrub cedar on mile.</p> <p>Undergrowth, considerable shadscale and sagebrush.</p> <p>Fair grazing land on portions of mile.</p> <hr/> <p>West, bet. secs. 3 and 34.</p> <p>Over mountainous land, through scattering cedar timber and undergrowth of sagebrush and shadscale; across flat bench top to</p>	T19S	R21E	S34	S35	S3	S2
T19S	R21E						
S34	S35						
S3	S2						
10.50	W. rim of bench, bears N. and S.; desc. abrupt W. slope, 445 ft. to						
33.15	Wash, 30 lks. wide, 4 ft. deep, in deep hollow, course S. Ascend abruptly 165 ft. to						
38.10	Top of abrupt ascent, bears N. and S.; continue more gradual ascent along a S. slope.						
40.00	<p>On gradual S. slope.</p> <p>Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to underlying rock, and in a large mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>S34</td><td></td></tr> <tr> <td>S3</td><td></td></tr> <tr> <td colspan="2">1919</td></tr> </table> <p>raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Trees within limits but too scrubby to mark.</p>	S34		S3		1919	
S34							
S3							
1919							

North Boundary of T. 20 S., R. 21 E.

Chains	
43.50	Top of ascent on S. slope, 20 ft. above cor., descend SE. Continue along a S. slope.
53.75	Desc. into gully, 65 ft. deep, course S. 70°E.; asc. abrupt NE. slope, 300 ft. to
58.85	Top of abrupt ascent, bears NW. and SE.; gently asc. 30 ft. to
67.40	Spur takes off to the SE. ascends abruptly to NW.; thence along steep rocky S. slope to
71.50	On very steep, rocky S. slope, in slight depression, draining SE. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. inn ground, for cor. of secs. 3, 4, 33 and 34, with brass cap marked
	T19S | R21E S33 | S34 S4 | S3 T20S 1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No trees within limits.
	Land, rough mountainous, having abrupt slopes; general southern exposure and drainage.
	Soil, rocky in form of boulders and ledges, mixed with shallow clay and sandy loams; sandstone formation.
	Timber, scattering scrub cedars on mile.
	Undergrowth, scattered shadscale and sagebrush.
	Fair grazing land.
8.15	West, bet. secs. 4 and 33. Over rough mountainous land, through very scattered timber and undergrowth; abrupt ascent SE. and E. slopes, over series of broken sandstone rim ledges. Top of high, sharp ridge, 400 ft. above sec. cor., bears S. for 10 chs. thence to S. 30°W., and N. 30°E. Coal outcrops were noticed along E. and W. slopes of this ridge, from 1 to 6 ft. thick. Abrupt descent SW. slope over ledges.

North Boundary of T. 20 S., R. 21 E.

Chains	
28.00	W. end of 60 ft. ledge, bears N. of line 2 chs. dist.; desc. W. slope.
32.50	Base of steep rocky descent, bears N. and S. 70° E.; then gentle descent along top; narrow bench, extending N. and SE.
38.90	As true point for $\frac{1}{4}$ cor. falls on impracticable place, at this point, Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to bedrock, and in a large mound of stone, 5 ft. base, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked
	S33. WC $\frac{1}{4}$ S4 1919
	from which
	A cedar, 6 ins. diam., bears S. $25\frac{1}{2}^{\circ}$ W., 41 lks. dist., marked WC $\frac{1}{4}$ S4' BT No suitable trees within limits in sec. 33.
	Cor. stands on W. edge of narrow bench and at top of 30 ft. white sandstone ledge, bearing N. and S., and 660 ft. below top of ridge.
	Desc. abrupt W. slope.
40.00	True point for $\frac{1}{4}$ sec. cor., falls on abrupt ledgy W. face where cor cannot be perpetuated. No cor set here.
44.90	Wash, 30 lks. wide, 25 ft. deep, in branch of Bull Canyon 185 ft. below W.C. $\frac{1}{4}$ cor., course S. 30° E. for 10 chs. thence to N. 30° W.; junctions of canyons up stream 15 chs.
46.90	Abrupt ascent E. slope of 175 ft. to Top of abrupt ascent and 125 ft. perpendicular ledge, bears N. 30° W. and S.; thence over narrow bench, extending N. and S.
54.00	Leave bench, begin abrupt ascent E. slope over series of sandstone ledges, 10 to 60 ft. high, bears N. and S.
73.40	Top of high ridge, near S. end, 915 ft. above canyon, bears N. and descends to S. and SW.; enter dense cedar with scattered fir and red pine.

North Boundary of T. 20 S., R. 21 E.

Chains

80.00 Descend N. slope, 150 ft. to sec. line, 1919, 100.00
On a gentle NW. slope. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 4, 5, 32 and 33, with brass cap marked

T19S	R21E
S32	S33
S5	S4

T20S
1919

from which

A pinon, 12 ins. diam., bears N. $44\frac{1}{2}$ ^oE., 61 lks. dist., marked T19S R21E S33 BT

A cedar, 8 ins. diam., bears S. $54\frac{3}{4}$ ^oE., 33 lks. dist., marked T20S R21E S4 BT

A pinon, 10 ins. diam., bears S. $18\frac{1}{2}$ ^oW., 110 lks. dist., marked T20S R21E S5 BT

A red pine, 12 ins. diam., bears N. $24\frac{1}{2}$ ^oW., 79 lks. dist., marked T19S R21E S32 BT

Land, high, rough mountainous, with abrupt slopes; general exposure and drainage S.

Soil, rocky in form of ledges and boulders, mixed with shallow clay and gravelly loams.

Timber, scattered scrub cedar on mile, excepting on N. slope on N. end of mile where it is dense and mixed with fir and red pine.

Undergrowth, scattered sagebrush and shadscale.

Poor grazing land.

West, bet. secs. 5 and 32.

Over rough mountainous land, through medium dense timber of cedar, pinon and red pine, and undergrowth of scattered sagebrush and shadscale; descend over steep NW. slope over low broken ledges.

11.00 Leave red pine timber, bears N. and S.

14.00 Thence over W. and SW. slopes.

18.40 Top of 50 ft. rim ledge, bears N. and S.

25.75 Wash, 30 lks. wide, 10 ft. deep, in canyon, 2 chs. wide, 805 ft. below sec. cor., course S. 10° W.

Abrupt ascent E. slope over ledges, 250 ft. to

30.00 Top of the abrupt ascent, thence gradually asc. SE. slope.

North Boundary of T. 20 S., R. 21 E.

Chains	
39.00	Top of spur, 410 ft. above canyon, 1 ch. N. of point of sloping off to S.20°E., bears N.; as the true point for $\frac{1}{4}$ sec. cor. falls on impracticable place, at this point,
39.00	Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in ground to bedrock, and in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked S32 WC $\frac{1}{4}$
	S5 1919
	from which
	A cedar 8 ins. diam., bears N. 9° W., 9 lks. dist., marked WC $\frac{1}{4}$ S32 BT
	A cedar, 9 ins. diam., bears S.31 $\frac{1}{4}$ °W., 62 lks. dist., marked WC $\frac{1}{4}$ S5 BT
39.50	Begin abrupt descent W. and SW. slopes over low broken ledges, bearing NW. and SE.
40.00	True point for $\frac{1}{4}$ sec. cor. falls on abrupt ledgy W. face where cor. cannot be perpetuated. No cor. set here.
50.75	Bottom of deep, narrow canyon, 375 ft. below spur, course SW.; abrupt ascent E. slope over ledges.
52.60	Top of 60 ft. perpendicular ledge, bears N.20°W. and S.20°E.; continue ascent.
62.00	Spur sloping off to S.70°E.; thence asc. steep nearly S. face.
76.00	Top of ascent on S. slope, 770 ft. above canyon, bears N.; gradually desc. along S. slope, 60 ft. to
80.00	On a rocky SW. slope. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 5, 6, 31 and 32, with brass cap marked
	T19S | R21E S31 | S32 S6 | S5 T20S 1919
	from which
	A cedar, 11 ins. diam., bears N.75 $\frac{1}{4}$ °E., 127 lks. dist., marked T19S R21E S32 BT raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. No suitable trees within limits in remaining secs.

North Boundary of T. 20 S., R. 21 E.

Chains

	Land, rough mountainous, with abrupt ledgy slopes; drainage to S.
	Soil, rocky in form of ledges and boulders, sandstone formation, mixed with sandy and clay loams.
	Timber, scattered scrub cedars on mile; few red pine and fir at S. end of mile.
	/Undergrowth, scattered sagebrush and shadscale.
	Poor grazing land.
	West, bet. secs. 6 and 31.
1.50	Over rough mountainous land, through scattering timber and undergrowth; desc. rocky SW. slope, 40 ft. to depression on S. slope, drains SE.; abrupt ascent SE. and E. slopes over series of rim ledges, 20 to 60 ft. high, bearing NE. and SW.
13.80	Top of high sharp ridge, 465 ft. above sec. cor., bears N.20°E. and S.20°W.; enter dense red pine and fir timber bears with ridge; desc. along abrupt nearly N. slope, 325 ft. to
30.65	Spur, slopes off abruptly N.65°W.; leave red pine and fir timber, continue through dense cedar, bears with spur; desc. abrupt W. slope.
40.00	On steep W. slope, 725 ft. below ridge. Set an iron post, 3 ft. long, 1 in. dia., 20 ins, in ground to underlying rock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S31
	S6 1919
	from which
	.. A cedar, 11 ins. diam., bears N.10°E., $6\frac{1}{2}$ lks. dist., marked $\frac{1}{4}$ S31 BT
	.. A pinon, 7 ins. diam., bears S.75°E., 119 lks. dist., marked $\frac{1}{4}$ S6 BT
43.60	Rim ledge, 30 ft. high, bears N. and S.; abrupt descent into canyon.

North boundary of T.20 S., R. 21 E.

Chains	
50.50	Enter open canyon bottom covered with dense black sage and clumps of oakbrush, bears N. and S.; gently desc.
52.65	<p>Point of triangulation. As the line on W. side of canyon ascends abruptly over series of high ledges, over which it is impracticable to chain, and this being the most suitable place for base line, I proceed as follows:</p> <p>I designate this point "A" and set flag "B". West near top of high ridge, then measure base, North 15.60 chs. to "C" whence "B" subtends angle of $56^{\circ}55'$; from "B" base AC subtends angle of $33^{\circ}05'$. All angles checked by deflection.</p>
	<p>Distance by triangulation = 23.94 chs., which added to 52.65 chs. gives 76.59 chs.</p> <p>Approximate topography as follows:</p>
58.00	Dry wash, 50 lks. wide, 10 ft. deep, in bottom of Cisco Canyon, 400 ft. below $\frac{1}{4}$ cor., and 1125 ft. below ridge, course S. for about $\frac{1}{2}$ mile, thence to SE.; asc. abruptly over high sandstone ledges E. face, through scattered cedars.
76.59	To point of triangulation and top of ledges, bears N-S. continue ascent to ridge.
78.00	Top of ascent on high ridge, 935 ft. above canyon, bears NW. and S.; thence along top through dense timber.
83.40	Leave top of ridge, bears NW. and S.; desc. abrupt W. slope over ledges, 145 ft. to
85.68	<p>Intersect the closing cor. of Ts. 20 S., Rs. 20 and 21 E., heretofore described.</p> <p>From this closing tp. cor., the cor. of Ts. 19 S., Rs. 20 and 21 E., bears West, 7.85 chs. dist.</p> <p>Land, rough-mountainous, with abrupt ledgy slopes; drainage S.</p> <p>Soil, rocky in form of ledges and boulders, mixed with shallow clay and sandy loams; sandstone formation.</p>

Subdivision of T. 20 S., R. 21 E.

Chains

- /Timber, scattered to dense cedars on mile; with red pine and fir on portion of S. $\frac{1}{2}$ mile.
 /Undergrowth, scattered sagebrush and shadscale.
 Poor grazing land.

Subdivision of T. 20 S., R. 21 E.

From true point for standard cor. of secs. 35 and 36 on S. bdy. of tp., which is east 15 lks. dist. of WC., heretofore described. True cor. point in wash.
 Thence N. $0^{\circ}00'W.$, bet. secs. 35 and 36.

Over open, broken bench land, facing SE., through short, scattered shadscale and sagebrush; asc. from ravine, 7.40 Low spur, 70 ft. above cor., projects S. $60^{\circ}E.$ 10 chs. to point; thence over rough clay formation, small spurs and washes putting SE.

26.90 Dry wash, 10 lks. wide, 2 ft. deep, '70 ft. below spur, course SE.; asc.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground; for $\frac{1}{4}$ sec: cor.; with brass cap marked

S35 S36

1919

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

44.00 Low spur, 75 ft. above wash, projects NE. 5 chs. dist.

54.00 Dry wash, 5 lks. wide, 2 ft. deep, course SE.; asc.

60.05 Clay spur, projects S. $60^{\circ}E.$ 6 chs. dist., 75 ft. above wash.

71.65 Small wash, 10 lks. wide, 2 ft. deep, course S. $40^{\circ}E.$; asc. SW. slope, 35 ft. to

80.00 On a SW. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 25, 26, 35 and 36, with brass cap marked

Subdivision of T. 20 S., R. 21 E.

Chains	
	T20S | R21E S26 | S25 S35 | S36 1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, broken bench, having a general SE. exposure and drainage.
	Soil, blue clay, with scattered gravel and rock; subsoil clay and shale.
	Undergrowth, short scattered shadscale and sagebrush.
	No timber. Fair grazing land.
40.00	East, on a random line, bet. secs. 25 and 36. Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect E. bdy. of tp., 9 lks. S. of the cor. of secs. 25-30-31 and 36, heretofore described; thence S.89°56' W., on true line, bet. secs. 25 and 36.
40.00	Over gently rolling bench land, slight N. to NE. exposure, through shadscale and greasewood undergrowth. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S25
58.00	dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist. Wash, coarse SE.
71.50	Old unused road, bears NW. and SE.
72.30	Leave lower bench, bears N.55°W., and S.50°E.; asc. .85 ft. to
77.50	Top of higher bench and ridge, bears N.55°W. and S.50°E.; slight descent SW. slope, 20 ft. to
80.00	The cor. of secs. 25, 26, 35 and 36. Land, gently rolling benches; slight NE. exposure on E. $77\frac{1}{2}$ chs., and to SW. on remainder. Soil, clay mixed with some gravel and loose rocks; clay subsoil. Undergrowth, shadscale, greasewood. No timber.

Subdivision of T. 20 S., R. 21 E.

Chains

- N. 0° 01' W., bet. secs. 25 and 26.
 Over rolling bench land, through scattered undergrowth.
 Ascend 20 ft. to
 2.30 N. edge of the higher bench and ridge, bears NW and SE.;
 desc. N. slope, 65 ft. to
 4.65 Base of abrupt descent, thence gradually desc. along
 lower broken bench, facing E.
 6.45 Old unused road, bears NW. and SE.
 10.70 Small wash, 10 lks. wide, 3 ft. deep, 130 ft. below ridge
 course SE.
 33.10 Small wash, 10 lks. wide, 2 ft. deep, course SE.
 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
 ground, for $\frac{1}{2}$ sec. cor., with brass cap marked

1919

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
 of cor.

Cor. stands on gentle W. slope at W. foot of clay hill,
 summit of which bears about E. 20 chs. dist.

- 45.20 Top of slight ascent on W. slope, 75 ft. above last wash,
 bears E. and W.; desc. N. slope, 65 ft. to
 54.45 Wash, 30 lks. wide, 3 ft. deep, course E.; thence over
 level bottom land, through heavier greasewood.
 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
 ground, for cor. of secs. 23, 24, 25 and 26, with brass
 cap marked

T20S	R21 E
S23	S24
S26	S25

1919

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
 cor.

Cor. stands on N. edge of bottom land and at S. foot of
 bench slope, bearing about E. and W.; a blue clay
 pinnacle appx. SE. 8 chs. dist.

Land, rolling, broken and level bench lands; drainage E.

Subdivision of T. 20 S., R. 21 E.

Chains

	Soil, clay and gravelly loams, mixed with scattering rock. Undergrowth, considerable shadscale and greasewood with very scattered sagebrush. No timber. Fair grazing land.
40.00	N: 89°56' E., on random line, bet. secs. 24 and 25. Set temp. $\frac{1}{4}$ sec. cor.
60.04	Intersect E. bay. of tp., 18 lks. N. of w. sec. 19-24-25 and '30, heretofore described; thence N. 89°56' W., on true line, bet. secs. 24 and 25. Over rolling top of bench, through short shadscale and sagebrush undergrowth.
24.90	Leave top bench, bears NW. and SE.; desc. 55 ft. to
30.00	Base of bench slope; enter bottom land, bears same as to
30.45	Road, Cisco to Turner Ranch, bears N.50°W. and S.50°E.
40.02	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S24

	S25 1919
45.55	dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist. Cisco Wash, 1 ch. wide, 10 ft. deep, course SE.
49.00	Same wash, at bend, from NW. to NE.
52.00	Lone cottonwood tree, bears N. of line appx. 60 lks. dist
53.40	Leave bottom land, bears NW. and SE.; asc. bench slope, 85 ft. to
59.00	Top of bench, bears NW. and SE.; thence across top to
65.00	Leave top, bears N.80°W. and S.50°E.; desc. along broken S. slope, 45 ft. to base at
80.04	The cor. of secs. 23-24-25 and 26. Land, rolling and broken benches and level bottom land. Soil, clay and gravelly loams, mixed with some scattered cobble rock. Undergrowth, short shadscale and sagebrush, excepting along bottom land of Cisco Wash which is covered with dense greasewood 4 to 8 ft. high. No timber. Fair grazing land.

Subdivision of T. 20 S., R. 21 E.

223

Chains	N. 0° 01' W., bet. secs. 23 and 24.
	Over rolling and broken bench lands, through short shad-scale and sagebrush undergrowth; asc. S. slope bench, 60 ft. to
6.40	Top of bench, bears S.60°E. and SW.; thence across top bench to
15.75	Leave bench top, bears S.60°E. and N.30°W.; desc. 70 ft.
19.50	Base bench slope and enter bottom land with dense greasewood, bears with top.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S23 | S24 1919. dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
44.60	Road, Cisco to Turner Ranch, bears NW. and SE.
53.90	Small stream of good water, 3 lks. wide, 2 ins. deep, in Cisco Wash, 1 ch. wide, 12 ft. deep, course SE.
58.60	Leave bottom land and dense greasewood, bears NW. and SE; asc. W. bench slope, 85 ft. to
66.40	Top of bench, bears NW. and SE.; thence over gently rolling top, through dense sagebrush; sandy loam soil.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 13, 14, 23 and 24, with brass cap marked T20S | R21E S14 | S13 S23 | S24 1919 from which A cedar, 8 ins. diam., bears S.80 $\frac{1}{2}$ °W., 307 lks. dist., marked T20S R21E S23 BT and dig pits, 18x18x12 ins., in each sec., 3 ft. dist. of post. No trees available in remaining secs.
	Land, rolling bench and level bottom land; draining into Cisco wash, course SE.
	Soil, sandy and clay loams, mixed with gravel and loose rocks; clay subsoil.

Subdivision of T. 20 S., R. 22 E.

Chains	
	Undergrowth, considerable shadscale, and sagebrush on washes, with some greasewood 4 to 5 ft. high on bottom land.
	No timber, excepting a small clump of cedars near cor. at N. end of mile. Fair grazing land.

40.00	S. 89°56' E., on random line, bet. secs. 13 and 24. Set temp. $\frac{1}{4}$ sec. cor.
50.04	Intersect E. bdy. of tp., 5 lks. S. of cor. secs. 13-18-19 and 24, heretofore described; thence N. 89°58' W., on true line, bet. secs. 13 and 24.
14.35	Over rough clay bench and low hills, through very little undergrowth; along a broken SW. slope to Wash, 15 lks. wide, 4 ft. deep, in draw, 50 ft. deep, course S.60°E.; asc. 50 ft. to
29.00	E. edge of smooth bench, bears N.20°E. and SW.; thence over bench, through heavier undergrowth.
40.02	On nearly level open bench, Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S13

	S24 1919
76.85	dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist. Small wash, 10 lks. wide, 3 ft. deep, course S.20°E.
80.00	The cor. of secs. 13, 14, 23 and 24. E. x9 chs. low broken clay hills and bench; remainder nearly level bench; exposure and drainage SW. Soil, on eastern part is blue clay and shale; western part of mile sandy and fine gravelly loam. Undergrowth, sagebrush, shadscale and greasewood. No timber. Fair grazing land.

	N. C° 01' W., bet. secs. 13 and 14. Over gently rolling open bench land, slight SW. exposure through short sagebrush and greasewood.

Subdivision of T. 20 S., R. 21 E.

- Chains
- 11.40 Small wash, 10 lks. wide, 4 ft. deep, course SE.
- 40.00 On bench, 75 ft. above sec. cor.
- Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
- | | |
|-----|-----|
| S14 | S13 |
|-----|-----|
- 1919
- dig pits, 18x18x12 ins., N. and S., of post, 3 ft. dist.
- 62.00 Enter dense cedar timber, bears N. 70°W. and S. 70°E.
- 80.00 In small sagebrush opening, 85 ft. above $\frac{1}{4}$ cor.
- Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 11, 12, 13 and 14, with brass cap marked
- | | |
|------|------|
| T20S | R21E |
| S11 | S12 |
| S14 | S13 |
- 1919
- from which
- A cedar, 5 ins. diam., bears N. $67\frac{1}{2}$ °E., 155 lks. dist., marked T20S R21E S12 BT
- A cedar, 9 ins. diam., bears S. 57°E., 75 lks. dist., marked T20S R21E S13 BT
- A cedar, 5 ins. diam., bears S. $69\frac{1}{4}$ °W., 120 lks. dist., marked T20S R21E S14 BT
- A cedar, 8 ins. diam., bears N. $87\frac{1}{2}$ °W., 202 lks. dist., marked T20S R21E S11 BT
- Land, gently rolling bench, slight exposure to SE.
- Soil, fine; reddish sandy and clay loams on clay subsoil.
- Undergrowth, considerable sagebrush and greasewood, 1 to 3 ft. high.
- Timber, dense cedar on N. 18 chs. Fair grazing land.
-
- S. 89°58' E., on random line, bet. secs. 12 and 13.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect E. bdy. of tp. at the cor. of secs. 7, 12, 13 and 18, heretofore described; thence
- N. 89°58' W., on true line, bet. secs. 12 and 13.
- Over broken bench lands, through sagebrush undergrowth.
- Ascend 65 ft. to
- 4.00 Top of raise, slopes off to S.; thence over rough general S. slope.

Subdivision of T. 20 S., R. 21 E.

Chains	
18.40	Abrupt descent of 80 ft. to ravine.
22.15	Wash, 15 lks. wide, 3 ft. deep, in ravine, 60 ft. deep, course SE.; asc.
32.70	Top of ascent bet. ravines, bears NW. and SE.
38.10	A main wash, 30 lks. wide, with 25 ft. abrupt bank on W. side and 6 ft. on E. side, in ravine, 50 ft. deep, course S.30°E., from NW.
40.01	On steep gravelly NE. slope. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S12
	S13 1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No trees within limits for bearing trees.
40.40	Top of ascent from ravine, bears N.35°W. and S.35°E.
47.10	Wash, 10 lks. wide, 3 ft. deep, in swale, 50 ft. deep, course SE.
54.40	Leave broken, enter smooth top of bench, bears N. and SE.
71.00	Enter dense timber, bears N. and SE.
80.02	The cor. of secs. 11, 12, 13 and 14. E. 54.40 chs. is low broken bench and clay hills, cut by washes and ravines, draining SE.; remainder is nearly level bench. Soil, clay and sandy loams; subsoil hard clay. Timber, scattered patches of cedar on eastern portion of mile; dense on W. end. Fair grazing land.
	N. 0°01' W., bet. secs. 11 and 12.
	Over rolling bench land, slight SE. exposure, through medium dense cedar timber, and dense sagebrush.
23.00	Leave smooth top of bench, enter broken surface, bears N.20°W. and SE.; thence along an E. slope to
36.50	Top of ascent on E. slope, bears NW. and S.20°W., desc. 20 ft. to

Subdivision of T. 20 S., R. 21 E.

Chains	
40.00	On a level bench. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S11 S12. 1919
41.60	S. edge of ravine, bears NW. and NE. at this point, desc.
42.50	Bottom of ravine, 40 lks wide in bottom, 50 ft. deep, at sharp bend, from NW. to NE. for 2 chs., thence SE.
45.70	N. edge of same.
49.00	Recross same, 50 ft. deep, with abrupt banks, course SW.
52.60	Recross same, course SE.
71.50	Small draw, 20 ft. deep, course S. 80° E.
80.00	On nearly level ground, 100 ft. above $\frac{1}{4}$ cor. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 1, 2, 11 and 12, with brass cap marked S11 S12. 1919
	from which bridge will extend over draw of draw.
	A pinon, 4 ins. diam., bears N. $61\frac{1}{2}$ E., 57 lks. dist., marked T20S R21E S1' BT
	A pinon, 8 ins. diam., bears S. $70\frac{1}{2}$ E., 19 lks. dist., marked T20S R21E S12' BT
	A cedar, 8 ins. diam., bears S. $47\frac{1}{2}$ W., 48 lks. dist., marked T20S R21E S1' BT
	A pinon, 6 ins. diam., bears N. 56° W., 98 lks. dist., marked T20S R21E S2' BT
	Land, rolling and broken benches, having a general SE. exposure and drainage.
	Soil, clay and sandy loams, mixed with shale and rock.
	Timber, medium dense to scattering scrub cedar and pinon on mile.
	Undergrowth, medium dense sagebrush, some greasewood.
	Fair grazing land.

Subdivision of T. 20 S., R. 21 E.

Chains	
	S. $89^{\circ}58'$ E., on random line, bet. secs. 1 and 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect E. bdy. of tp., 2 lks. S. of cor. secs. 1, 6, 7, and 12, heretofore described; thence N. $89^{\circ}59'$ W., on true line, bet. secs. 1 and 12. Over rolling and broken bench land, facing S., through scattering cedar and pinon timber, and undergrowth of sagebrush and greasewood.
2.55	Ravine, 30 ft. deep, course SW.
9.90	Ravine, 60 ft. deep, course SE.
27.00	Ravine, 40 ft. deep, course SW.
40.03	On top of flat bench, bearing N. $20^{\circ}W.$ and S. $20^{\circ}E.$ Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S1. S12. 1919
	S12 1919
	from which
	A cedar, 8 ins. diam., bears N. $85\frac{1}{4}^{\circ}E.$, 226 lks. dist., marked $\frac{1}{4}$ S1 BT
	A cedar, 8 ins. diam., bears S. $88\frac{1}{2}^{\circ}W.$, 162 lks. dist., marked $\frac{1}{4}$ S12 BT
	A small reservoir bears S. $2\frac{1}{2}^{\circ}W.$, appx. 20 chs. dist.; is used in fall and spring for watering stock.
67.50	Ravine, 40 ft. deep, course SE.
80.00	The cor. of secs. 1, 2, 11. and 12. Land, rolling and broken benches, general exposure and drainage S. to SE. Soil, clay and gravelly loams, mixed with rock, and considerable rock on surface; clay subsoil. Timber, scattering scrub cedar and pinon on mile. Undergrowth, sagebrush and greasewood. Fair grazing land.
	N. $0^{\circ}01'$ W., on random line, bet. secs. 1 and 2.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
68.56	Intersect N. bdy. of tp., at the cor. of secs. 1, 2,

Subdivision of T. 20 S., R. 21 E.

-41-

223

Chains	
	35 and 36, heretofore described; thence S. $0^{\circ}01'$ E., on true line, bet. secs. 1 and 2. Over mountainous land, through scattering cedar and pinon, and sagebrush undergrowth; along steep, rocky W. slope under sandstone rim to S. of line, bearing N. and S. to
12.00	Base of the rim ledge, bears S. of line. 40 lks. dist.; begin abrupt descent W. slope, 455 ft. to
28.56	On a small blue clay spur, bears NE. and SW. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	 1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
33.00	Base of mountainous land, 75 ft. below $\frac{1}{4}$ cor., bears NW. and NE.; gradually desc. over broken bench land.
37.45	Wash, 10 lks. wide, 2 ft. deep, in swale, course SE.
51.30	Ravine, 25 ft. deep, course SE.
55.55	Wash, 10 lks. wide, 5 ft. deep, course NE. to ravine.
68.56	The cor. of secs. 1, 2, 11 and 12. Land, mountainous and broken bench. Soil, rocky and blue clay, with some gravelly loam; sandstone formation.
	Timber, scattering cedar and pinon, being heavier on N. and S. ends of the mile.
	Undergrowth; sagebrush and greasewood. Fair grazing land.

	From the standard cor. of secs. 34 and 35 on S. bdy. of tp., heretofore described; thence N. $0^{\circ}01'$ W., bet. secs. 34 and 35. Over mountainous land, through very scattered shadscale. Ascend abrupt S. face of break over boulders and broken clay formation, 500 ft. to

Subdivision of T. 20 S., R. 21 E.

-42-

Chains	
8.35	Top of 100 ft. vertical cliff and edge of high mesa or bench, bears N.55°W. and S.; thence over level top through dense cedar and pinon timber to
29.65	N. rim of mesa at top of 75 ft. vertical cliff bears NW. and SE.; leave all timber; desc. abrupt E. face over boulders and broken clay formation, 400 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S34 | S35
	1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
50.00	Base of the abrupt descent and leave mountainous land, bearing NW. and SE.; thence over broken bench land facing about E.
61.10	Small dry wash, 20 lks. wide, 3 ft. deep, 625 ft. below high mesa, course S.60°E.; asc. 50 ft. to
65.45	Top of small clay spur; projects S.60°E.; gradually desc. over numerous small washed and spurs.
80.00	On top of small raise, bears E. and W. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 26, 27, 34 and 35, with brass cap marked
	T20S | R21E S27 | S26 S34 | S35
	1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous on S. 50 chs. and broken bench on remainder; drainage to SE.
	Soil, mostly blue clay mixed with rock, surface strewn with huge boulders from the high mesa; shallow sandy loam on sandstone bedrock on top of the high mesa.
	Timber, dense cedar and pinon on mesa top.

Subdivision of T. 20 S., R. 21 E.

Chains	
	Undergrowth, very scattered short shadscale.
	Poor grazing land.

	East, on random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 7 lks. N. of the cor. secs.: 25-26-35 and 36. Thence
	N. $89^{\circ}57'$ W., on true line, bet. secs. 26 and 35.
	Over rolling bench, through scattered shadscale and greasewood undergrowth; along general S. and SW. slopes.
27.50	Top of clay bank, bears NW. and SE.; desc. 65 ft. to
30.70	Wash; 15 lks. wide, 2 ft. deep, course S. 10° E.; thence over rough broken surface; asc.
40.01	On a N. slope, 80 ft. above wash.
	Set an iron post, 3 ft. long, 1 in. dia.; 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S26

	$\frac{1}{4}$ sec. cor.
	S35
	1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
40.70	Top of clay bank, bears N. 60° W. and S. 65° E.; desc. 80 ft.
50.35	Small wash, course SE.; asc.
72.25	Small wash, course SE.; asc. 30 ft. to
80.02	The cor. of secs. 26-27-34 and 35.
	Land, rolling and rough broken benches, having a general SE. exposure and drainage.
	Soil, mostly blue clay, mixed with some gravel and shale;
	Undergrowth, shadscale and greasewood, very little sage.
	(No timber. Fair grazing land.)

	N. $0^{\circ}01'$ W., bet. secs. 26 and 27.
	Over rolling and broken bench lands, through shadscale.
11.50	Top of bench, 80 ft. above sec. cor., bears W. and S. 70° E.; thence over rolling top.

	It is wished to add one more section, Fredonia, between

Subdivision of T. 20 S., R. 21 E.

Chains

27.50	Gradually desc. into draw, 35 ft.
36.35	Wash, 20 lks. wide, 3 ft. deep, in draw, course E. to SE.; from W.
37.35	Wash, 15 lks. wide, 3 ft. deep, course SE. 2 chs. to junction with last wash.; asc. 20 ft. to
40.00	On S. slope in blue clay formation. Set an iron post, 3 ft. long, lin. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S27 S26 1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
43.45	Top of ascent from draw, 50 ft. above wash, bears W. and S. 70° E.; thence over bench.
57.55	Gradually desc. 35 ft. to
58.75	Wash, 15 lks. wide, 4 ft. deep, course S. 80° E.; asc. 45
65.55	Thence over bench.
76.00	Enter scattering patch of cedars, bears NE. and W.; desc. 15 ft. to
80.00	On gentle NE. slope. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 22-23-26 and 27, with brass cap marked

T20S R21E

S22 S23

S27 S26

1919

from which

A cedar, 8 ins. diam., bears N. 82° E., 174 lks.

dist., marked T20S R21E S23 BT

A cedar, 8 ins. diam., bears S. $63\frac{1}{2}$ E., 52 lks.

dist., marked T20S R21E S26 BT

A cedar, 8 ins. diam., bears S. 80° W., 31 lks.

dist., marked T20S R21E S27 BT

A cedar, 8 ins. diam., bears N. $9\frac{1}{2}$ W., 59 lks.

dist., marked T20S R21E S22 BT

Land, rolling and low broken benches.

Soil, blue clay, with clay and sandy loams; clay subsoil.

Undergrowth, shadscale, some scattered sagebrush and

greasewood. Timber, scattered patch of cedars N. end

Subdivision of T. 20 S., R. 21 E.

Chains	
	of mile. Fair grazing land.
	S. 89°57' E., on random line, bet. secs. 23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 23 lks. S. of cor. secs. 23-24-25 and 26. Thence S. 89°53' W., on true line, bet. secs. 23 and 26.
	Over rolling and broken bench lands, through undergrowth of shadscale, greasewood and sagebrush; along N. edge of bottom land at foot of bench slope, bearing E. & W.
7.60	Asc. bench slope, 65 ft., bearing S. and E.
11.80	Top of point of bench, 1 ch. wide, extends S. 4 chs. dist. to end; desc. 60 ft.
18.50	Old unused road and enter ravine bottom, bearing N. 60°W. and SE.
21.00	Main wash, 30 lks. wide, 8 ft. deep, in ravine, course S. 60°E.
23.00	Wash, 20 lks. wide, 5 ft. deep, at bend, from SW. to S. 70°E. to junction with main wash.
30.00	Leave ravine bottom, bears NW. and S. 70°E.; asc. 65 ft.
40.00	On E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S23
	S26 1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
42.00	Top of ascent from ravine; bears NW. and S. 20°E.; thence gently asc. over bench.
56.20	Ravine, 25 ft. deep, course NE.; heads S. 60°W. 12 chs. dist.; enter very scattered cedar timber, NW. and SW.
80.02	The cor. of secs. 22-23-26 and 27, 75 ft. above $\frac{1}{4}$ cor. Land, rolling and low broken benches, general exposure and drainage to E.

Subdivision of T. 20 S., R. 21 E.

Chains

Soil, clay and gravelly loams, mixed with small cobble rock; on clay subsoil.

Undergrowth, short shadscale, sagebrush and greasewood.

Timber, scattered cedars on W. end of mile.

Fair grazing land.

N. $0^{\circ}01'$ W., bet. secs. 22 and 23.

Over rolling bench land, through scattered cedars and undergrowth of sagebrush, shadscale and greasewood.

4.50

Leave timber, bears SE and SW; desc. from bench, 70 ft.

10.60

Draw, course N. 80° E.; asc. 60 ft. to

13.70

Thence over bench, bears NE. and SW.

20.75

Leave bench, desc. into large ravine, bears E. and W.

34.95

Wash, 15 lks. wide, 4 ft. deep, in ravine, 55 ft. below bench, course SE.; asc. S. slope, 65 ft. to

40.00

On S. edge top of bench, bears E. and W.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S22 S23

1919

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Thence over rolling top of bench, through dense sagebrush

52.40

Old unused road, bears N. 70° W., and S. 65° E.

78.00

Leave top of bench, enter scattering cedar timber, bears about NE. and W.; desc. N. slope, 15 ft. to

80.00

On gravelly N. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 14-15-22 and 23, with brass cap marked

T20S | R21E

S15 | S14

S22 | S23

1919

from which

A cedar, 8 ins. diam., bears S. 71° W., 47 lks. dist., marked T20S R21E S22 BT

Subdivision of T. 20 S., R. 21 E.

Chains

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No suitable trees within limits in remaining secs.

Land, rolling and broken benches, having a general exposure and drainage to E.

Soil, clay with sandy and gravelly loams, mixed with small cobble rock; hard clay subsoil.

Undergrowth, sagebrush, shadscale and greasewood.

Timber, scattered patches of cedars on S. and N. ends of the mile.

Fair grazing land.

N. $89^{\circ}53'$ E., on random line, bet. secs. 14 and 23.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line, 2 lks. S. of cor. secs. 13-14-23 and 24. Thence S. $89^{\circ}52'$ W., on true line, bet. secs. 14 and 23.
- Over rolling bench land, through dense sagebrush.
- 9.75 Leave top of bench, bears NW. and SE.; desc. 80 ft. to
- 15.50 Wash, 40 lks. wide, 10 ft. deep, in ravine, course SE.; ascend 80 ft. to
- 20.00 Top of bench, bears NW. and SE.; thence over top.
- 22.80 Leave top, desc. W. slope, 65 ft. to
- 26.40 Enter bottom land covered with dense greasewood, bears N. 60° W. and S. 60° E.
- 28.30 Cisco Wash, 1 ch. wide, 6 ft. deep, course SE., from N. 70° W.
- 40.00 On level bottom land. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S14
- $\frac{1}{4}$ —
- S23
1919
- dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.
- 48.10 Road, Cisco to Turner's ranch, bears N. 70° W. and S. 70° E.

Subdivision of T. 20 S., R. 21 E.

Chains	
57.00	Leave bottom land and dense greasewood, bears NW. and S. asc. bench slope, 60 ft. to
66.00	Top of bench, bears N.80°W. and SE.
68.00	Enter scattered cedars, bears NW. and S.
73.20	A point from which, the SE. cor. of Oscar Turner's house bears N.66°10' W.; bunk house bears N.65°34'W.; SE. cor. shed or granary bears N.64°25'W.; all approximately 1 mile dist.
80.00	The cor. of secs. 14-15-22 and 23. Land, rolling bench and level bottom land, sloping and draining into Cisco Wash. Soil, clay and gravelly loams. Undergrowth, sagebrush and greasewood. Timber, scattered cedars on W. end of mile. Fair grazing land.

	N. 0°01' W., bet. secs. 14 and 15. Over rolling bench lands, through undergrowth of sage and greasewood; scattered cedars about this cor.; desc. N. slope of bench, 55 ft. to
4.60	Base of bench and leave timber, enter level bottom land with dense greasewood, bearing about E. and W.
7.80	Cisco Wash, 50 lks. wide, 8 ft. deep, course NE.
9.85	Wire fence, bears N.42 $\frac{1}{2}$ °E. and S.42 $\frac{1}{2}$ °W.
11.05	Road, Cisco to Turner's ranch, bears E. and W.
15.96	Wire fence, bears N.17°20'W., and S.17°20'E.
22.25	Wash, 30 lks. wide, 4 ft. deep, course SE.
31.35	Same wash, course SW.
40.00	In level bottom land. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S15 S14

1919

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
of cor.

Subdivision of T. 20 S., R. 21 E.

Chains	
53.35	Same wash, coarse S.30°E.
58.35	Same wash, at bend, from NW. to SW.
66.40	Leave bottom land and dense greasewood, bears NE. and SE.
	Ascend bench slope, 115 ft. to
73.00	Top of bench and enter medium dense cedar timber, bearing NW. and SE.; thence over top of bench.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground for cor. of secs. 10-11-14 and 15, with brass cap marked with .11-100, facing N. 30°E. Then cross sec. line T20S R21E S10 S11 S15 S14. S10 and S11 are on N. 30°E. line, S15 and S14 on S. 30°E. line. Post set on S. 30°E. line, 115 ft. from which a wooden object was visible.
	A cedar, 8 ins. diam., bears N. 56 $\frac{1}{4}$ °E., 36 lks. dist., marked T20S R21E S11 BT
	A cedar, 8 ins. diam., bears S. 68 $\frac{1}{2}$ °E., 32 lks. dist., marked T20S R21E S14 BT
	A cedar, 10 ins. diam., bears S. 36°W., 42 lks. dist., marked T20S R21E S15 BT
	A cedar, 6 ins. diam., bears N. 67 $\frac{3}{4}$ °E., 63 lks. dist., marked T20S R21E S10 BT
	Land, rolling benches and level bottom land, drainage to SE.
	Soil, clay loam in bottom land; gravelly and clay on bench, mixed with loose rock.
	Timber, cedars on N. and S. ends of mile.
	Undergrowth, dense greasewood in bottom land; sagebrush on benches.
	Fair grazing land.
40.00	Near true random line, with post 115 ft. from cor. of secs. 11 and 14 N. 89°52' E., on random line, bet. secs. 11 and 14
80.00	Set temp. $\frac{1}{2}$ sec. cor.
	Intersect the cor. of secs. 11-12-13 and 14. Thence S. 89°52' W., on true line, bet. secs. 11 and 14.
	Over rolling bench land, through medium dense cedar timber, and considerable undergrowth of sagebrush.
39.00	E. edge of gulch, leave bench and dense timber, bears N. 30°W. and S. 30°E.; thence through scattered timber, desc. steep w. slope, 25 ft. to

Subdivision of T. 20 S., R. 21 E.

Chains	
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S11 $\frac{1}{4}$ 1919
46.10	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No suitable trees within limits.
55.20	Bottom of gulch, 55 ft. below $\frac{1}{4}$. cor., course SE.; asc.
63.90	Top of W. side of gulch, 90 ft. above bottom, bears N. 30° W. and SE.; thence over bench.
80.00	Wash, 30 lks. wide, 3 ft. deep, course SW. The cor. of secs. 10-11-14 and 15. Land, rolling and broken benches; general exposure and drainage to S. Soil, clay and gravelly loams, mixed with scattering rock. Timber, dense to scattered cedars on mile. Undergrowth, sagebrush. Fair grazing land.
16.50	N. $0^{\circ}01'$ W., bet. secs. 10 and 11. Over gently rolling bench, slight exposure to S., through scattering timber; dense sagebrush.
40.00	Wash, 20 lks. wide, 4 ft. deep, course SE. 45 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S10 $\frac{1}{4}$ 1919
64.70	S11 from which A cedar, 8 ins. diam. bears N. $15\frac{1}{2}^{\circ}$ E., 68 lks. dist., marked $\frac{1}{4}$ S11 BT A cedar, 6 ins. diam., bears N. $74\frac{1}{4}^{\circ}$ W., 93 lks. dist., marked $\frac{1}{4}$ S10 BT Wash, 10 lks. wide, 3 ft. deep, in head of draw, course SE.; leave all but few scattered trees, bears NE & W.

Subdivision of T. 20 S., R. 21 E.

Chains	
80.00	Gradually asc. 45 ft. to street; On a SW. slope. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 2-3-10 and 11, with brass cap marked
	T20S | R21E S3 | S2 S10 | S11 1919
80.04	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, gently rolling bench, having a slight exposure to SE.; drainage SE. Soil, clay and gravelly loams, and rocky; sandstone formation. Timber, scattered cedars. Undergrowth, sagebrush, some yellow-top and shadscale. Fair grazing land.
40.00	N. $89^{\circ}52'$ E., on random line, bet. secs. 2 and 11. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line, 5 lks. S. of cor. secs. 1, 2, 11 and 12. Thence S. $89^{\circ}50'$ W., on true line, bet. secs. 2 and 11.
11.00	Over rolling bench land, slight SE. exposure, through dense scrub timber, considerable sagebrush undergrowth. Small draw, 25 ft. deep, course SE.
20.45	Ravine, 45 ft. deep, course SE.
39.70	Small ravine, 20 ft. deep, course S. 20° W.
40.02	On steep E. slope, 8 ft. above bottom ravine. Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in ground to underlying rock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S2 1919
	raise mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. trees within limits but too scrubby to mark

Subdivision of T. 20 S., R. 21 E.

Chains

- 67.15 Small gully, 35 ft. deep, course S. 30°W.; leave dense timber, enter heavier sagebrush and few scattered trees. The cor. of secs. 2-3-10 and 11.
- 80.04 Land, rolling bench, having a southerly exposure and drainage. Soil, clay and gravelly loams and rocky; considerable rock on surface.
- Timber, dense cedars on E. 67 chs., few scattered on remainder of mile.
- Undergrowth, considerable sagebrush. Poor grazing land.
-
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 68.70 Intersect N. bdy. of tp., at the cor. of secs. 2-3-34 and 35, heretofore described. Thence S. 0°01' E., on true line, bet. secs. 2 and 3.
- Over top of high mesa, through dense scrub timber; along S. edge of the mesa, bearing nearly N. and S.
- 22.00 S. edge of mesa and top of 100 ft. perpendicular cliff, bears NE. and SW.; leave dense, continue through very scattered timber; desc. abrupt SE. face over boulders and broken land.
- 28.70 True point for $\frac{1}{4}$ sec. cor., falls in bottom of small drain, where cor. cannot be perpetuated, therefore at
- 29.50 On a small rocky spur, 315 ft. below mesa, projects E. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked W.C.
- | | |
|----|----|
| S3 | S2 |
|----|----|
- raise a mound of stone, 2. ft base, $1\frac{1}{2}$ ft. high, W. of cor.; continue descent over rough SW. slope.
- 46.40 High point on slope, projects S. 70°E.; desc. abruptly W. slope.

1919

Subdivision of T. 20 S., R. 21 E.

Chains	
56.70	Head of small wash, course SE.; base of abrupt descent, bears NE. and SW.; gradually desc. over broken bench.
64.30	Recross same wash, 10 lks. wide, 2 ft. deep, course S.20°W.
/68.70	The cor. of secs. 2-3-10 and 11, 300 ft. below $\frac{1}{4}$ cor. Land, mountainous and broken. Soil, rocky and clay; sandstone formation.
	Timber, dense cedars on mesa, very scattered on remainder of mile.
	Undergrowth, scattered sagebrush and shadscale. Poor grazing land.

	From the standard cor. of secs. 33 and 34 on S. bdy. of tp., heretofore described. Thence N. 0°02' W., bet. secs. 33 and 34.
	Over broken mountainous land, through few scattered cedars and sparse shadscale and greasewood.
0.45	Center of wash, 20 lks. wide, 4 ft. deep, in canyon, course SW.; asc. along SW. and W. slope, 100 ft. to
6.50	Top of ascent on W. slope, bears E. to rim; desc. 90 ft.
19.40	Bottom of gulch, course SW. to S.; asc. abruptly steep rocky SE. slope over boulders, 400 ft. to
34.25	Top of 90 ft. perpendicular sandstone ledge on edge of bench, bears NE. and SW.; thence over gently rolling bench.
40.00	On top of bench. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S33 S34 1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Trees within limits but too scrubby to mark.
42.00	Leave all timber, bears E. and SW.
57.90	Trail, bears N.20°E. and S.70°W.; thence along rough E. slope under sandstone break to W. of line, blue clay formation.

Subdivision of T. 20 S., R. 21 E.

Chains

80.00 On SW slope among huge boulders at foot of break, bearing nearly E. and S.20°W.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 27, 28, 33 and 34, with brass cap marked

T20S	R21E
S28	S27
S33	S34

1919

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, broken mountainous and rolling bench; general southern exposure and drainage.

Soil, blue clay, shale and rocky, surface covered with sandstone boulders; some very shallow sandy loam on S. portion of bench, on bedrock.

Timber, very scattered scrub cedars on part of mile.

Undergrowth, scattered shadscale, greasewood and grass.

Fair grazing on part of mile.

40.00 East, on random line, bet. secs. 27 and 34.

Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line, 12 lks. S. of cor. secs. 26, 27, 34 and 35. Thence

S. 89°55' W., on true line, bet. secs. 27 and 34.

Over broken bench, facing E., blue clay formation; through very scattered shadscale and greasewood; gradually ascending towards high break.

20.00 Leave bench at base of high break, bearing N. for 5 chs. thence to W., and S.70°W.; asc. abruptly E. face.

27.95 Top of 150 ft. perpendicular cliff on edge of high bench, 530 ft. above sec. cor., bears NE. for 1 ch. to point, thence W., and S.70°W. for 12 chs., thence to S. and SE. Thence over gently rolling top of high bench, through scattered cedars.

40.03 Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in

Subdivision of T. 20 S., R. 21 E.

Chains	
00.00	ground to bedrock, and in a large mound of stone, 5 ft. base, for $\frac{1}{4}$ sec. cor., with brass cap marked S27
01.00	Starting from bottom of cor. $\frac{1}{4}$ mile to point where
	S34 1919
02.00	No suitable trees within limits. And no accessory mound built.
41.00	Leave all timber, bears N. and S.
48.50	Trail, bears N.20°E. and S.60°W.
49.50	Top of ascent on S. slope; point of high sandstone cliff, bears NW. 2 chs. dist.; thence along broken S. slope under the high cliff, gradually descending, 100 ft. to
51.00	Head of draw, course S.; gradually asc. 50 ft. to
80.06	The cor. of secs. 27, 28, 33 and 34. Land, mountainous and broken by nch.
80.06	Soil, blue clay and rocky.
80.06	Timber, scattered scrub cedars on portion of mile.
80.06	Undergrowth, shadscale and greasewood.
80.06	Poor grazing on greater part of mile.
80.06	N. 0°02' W.; bet. secs. 27 and 28.
80.06	Over rough mountainous land, through sparse undergrowth of shadscale and greasewood; few scattered cedars.
80.06	Asc. abruptly rocky S. face of bluff over ledges, bearing E. and SW.
7.70	Top of ledges, 365cft. above cor., continue ascent SW. slope, 65 ft. to
10.00	Top of ascent on SW. slope; spur takes off to SW., and high red point bears NE. of line 3 chs. dist.
10.00	Desc: steep NW. slope.
22.40	S. rim of gulch, bears N.70°E. and SW.
25.00	Bottom of gulch, 70 ft. deep, and 200 ft. below the 10 ch. point; course SW.; heads E. 4 chs. dist.; asc.
27.30	N. rim of gulch, bears E. and W.; asc. rocky SW. slope.
35.80	Top of high spur ridge, 20 chs. wide, 200 ft. above gulch, bears NW. and SE.; abrupt descent N. & NE. slopes.

Subdivision of T. 20 S., R. 21 E.

Chains

- 36.60 Top of 20 ft. rim ledge, bears NW. and SE.
- 40.00 On abrupt rocky NE. slope, 205 ft. below ridge.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec.-cor., with brass cap marked
 $\frac{1}{4}$
S28 S27
- 1919
- raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Continue descent along steep E. slope.
- 51.00 Thence over N. and NW. slopes.
- 56.00 Depression on NW. slope, 60 ft. deep, drains NW.; asc.
- 58.75 Top of ascent from depression, on W. slope, ascends to NE. 4 chs. dist. to high point of ledge and rim of bend. Desc. abruptly NW. slope, 245 ft. through timber.
- 66.50 Bottom of draw, course NE.; thence over rolling E. slope asc.; leave nearly all timber.
- 73.15 Top of ascent from draw, bears E. and W.; gently desc.
- 80.00 On rocky, slight E. slope at base of mountainous land, 325 ft. below $\frac{1}{4}$ cor., bearing NW. and SE.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 21, 22, 27 and 28, with brass cap marked
- | | | |
|-----|------|------|
| | T20S | R21E |
| S21 | S22 | |
| S28 | S27 | |
- 1919
- raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
- Land, rough mountainous, with abrupt ledgy slopes. Soil, rocky in form of ledges and boulders, mixed with blue clay and gravel.
- Timber, very scattered scrub cedars.
- Undergrowth, shadscale and greasewood. Poor grazing.
- N. $89^{\circ}55'$ E., on random line, bet. secs. 22 and 27.

Subdivision of T. 20 S., R. 21 E.

Chains	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 9 lks. N. of cor., secs. 22, 23, 26 and 27. Thence S. $89^{\circ}59'$ W., on true line, bet. secs. 22 and 27. Over rolling bench land, facing to E., through very scattered cedar timber, and scattered sagebrush and shadscale undergrowth.
10.35	Ravine, 35 ft. deep, course NE.; heads about SW. 7 chs. dist.
19.10	Narrow ravine, 45 ft. deep, course NE.; heads about 15 chs. to SW.
40.01	On a gentle E. slope, 115 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S22
	S27
	1919
	from which
	A cedar, 6 ins. diam., bears N. 10° E., 18 lks. dist., marked $\frac{1}{4}$ S22 BT
	A cedar, 8 ins. diam., bears S. 73° W., 32 lks. dist., marked $\frac{1}{4}$ S27 BT
50.00	Enter medium dense timber, bears N. 60° E. and S. 60° W.
59.70	Trail, bears N. 20° W. and S. 20° E.
68.00	Leave medium dense, continue through very scattered timber, bears NW. and S. 70° E.
76.60	Head of small wash, course S. 80° E.
80.02	The cor. of secs. 21, 22, 27 and 28, 135 ft. above $\frac{1}{4}$ cor. Land, rolling bench, having an easterly exposure and drainage. Soil, gravelly and clay loams mixed with rock, surface strewn with loose rock. Timber, scattered to medium dense scrub cedars. Undergrowth, shadscale and sagebrush. Fair grazing land.

Subdivision of T. 20 S., R. 21 E.

Chains

- N. $0^{\circ}02'$ W., bet. secs. 21 and 22.
 Over rolling bench land, facing E., through medium dense scrub cedar timber, few pinons; undergrowth of shadscale and sagebrush.
- 15.70 Ravine, 50 ft. deep, course N. 70° E.
- 24.80 Ravine, 25 ft. deep, course E.
- 40.00 In small draw, course E.
 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S21 S22

1919

from which

A pinon, 8 ins. diam., bears N. $48\frac{1}{2}^{\circ}$ W., 36 lks. dist., marked $\frac{1}{4}$ S21 BTA cedar, 9 ins. diam., bears N. 53° E., 43 lks. dist., marked $\frac{1}{4}$ S22 BT

- 49.20 Wash, 20 lks. wide, 4 ft. deep, in N. edge of ravine, $2\frac{1}{2}$ chs. wide, 35 ft. deep, course S. 80° E.
- 80.00 On slight NE. exposure.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 15, 16, 21 and 22, with brass cap marked

T20S	R21E
S16	S15
S21	S22

1919

from which

A cedar, 10 ins. diam., bears N. 38° E., 122 lks. dist., marked T20S R21E S15 BTA cedar, 8 ins. diam., bears S. 77° E., 101 lks. dist., marked T20S R21E S22 BTA cedar, 7 ins. diam., bears S. 51° W., 126 lks. dist., marked T20S R21E S21 BTA cedar, 8 ins. diam., bears N. $31\frac{1}{4}^{\circ}$ W., 72 lks. dist., marked T20S R21E S16 BT

Land, gently rolling bench, having a slight slope and drainage to E.

Soil, clay and gravelly loam mixed with rock; considerable loose rock on surface.

Timber, medium dense scrub cedar and pinon on mile.

Poor grazing land. Undergrowth shadscale and sagebrush.

Subdivision of T. 20 S., R. 21 E.

Chains	
.00	N. 89° 59' E., on random line, (bet. secs. 15 and 22.)
40.00	Set temp. $\frac{1}{4}$ sec. cor. on random line, bet. secs. 15 and 22.
80.06	Intersect N. and S. line, .5 lks. N. of cor. of secs. 14, 15, 22 and 23. Thence proceed N. 70° E. to N. 89° 59' W., on true line, bet. secs. 15 and 22. 00.06 Over rolling bench land facing N., through medium dense scrub cedar and pinon timber; undergrowth of sagebrush.
28.30	Small short ravine, near head, course N. 70° E.
35.00	Enter more scattered timber, bears NW. and SE.
40.03	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked 00.03 S15 1919 $\frac{1}{4}$ S22 1919 from which
	A cedar, 9 ins. diam., bears S. 10° W., 99 lks. dist., marked $\frac{1}{4}$ S22 BT and dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist. No trees within limits in sec. 15.
77.75	Old unused road, bears NE. and SW. to sec. 15. 00.05
80.06	The cor. of secs. 15, 16, 21 and 22. 00.06 Land, rolling bench facing N. and near edge. 00.06 Soil, gravelly and clay loam mixed with rock. 00.06 Timber, medium dense to scattering cedar and pinon. 00.06 Undergrowth, sagebrush and shadscale. 00.06 Fair grazing land. 00.06
	N. 80° 02' W., bet. secs. 15 and 16. 00.06 Over rolling bench land, facing to NE., through scattering cedar and pinon timber; dense sagebrush.
3.10	Old road, bears N. 30° W. and S. 30° E.
13.15	Same road, bears N. 30° E. and S. 30° W.
15.60	Same road, bears N. 30° W. and S. 30° E.
18.50	Rim of bench, bears N. 70° E. and S. 70° W.; desc.
21.50	Base of bench, enter bottom land with dense greasewood; leave timber, bearing E. and S. 70° W.

Subdivision of T. 20 S., R. 21 E.

Chains

- 28.80 Cisco Wash, (dry) .50 lks. wide, 5 ft. deep, course SE.
- 30.05 Wire fence, enclosing alfalfa field to E. of line, bears S.22°W., and N.22°E., about 50 lks. dist. to cor.
- 30.70 Same fence, bears N.65°E., and S.65°W. to cor.
- 30.80 Irrigation ditch, .5 lks. wide, 1 ft. deep, course E.; carrying about $\frac{1}{2}$ sec. ft. of water.
- 31.00 Road, bears about E. and W.; leave bottom land, asc. SW. slope of bench through timber, bears NW. and E.
- 37.75 Top of bench, 100 ft. above wash, bears N.70°W. and S.70°E.; thence over top of bench, through dense timber
- 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S16 | S15
1919

- from which
- A pinon, 7 ins. diam., bears N.27 $\frac{1}{2}$ °W., 32 lks. dist., marked $\frac{1}{4}$ S16 BT
- A cedar, 10 ins. diam., bears S.58 $\frac{1}{2}$ °E., 42 lks. dist., marked $\frac{1}{4}$ S15 BT
- 42.00 Leave top of bench and dense timber, bearing NE., and W. to NW.; desc. gradual N. slope, through scattered timber, 95 ft. to
- 53.85 Ravine, course E.; asc. 90 ft. to
- 59.00 Thence over rolling top of bench, bears NW. and E.
- 68.70 Leave bench, bears NW. and SE.; desc. 70 ft. to
- 77.00 Ravine, course S.70°E.; asc. 50 ft. to
- 80.00 On steep S. slope.
- Set an iron post, 3 ft. long, 2 ins. dia., 24. ins. in ground, for cor. of secs. 9, 10, 15 and 16, with brass cap marked

T20S | R21E
S9 | S10

S16 | S15

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, w. of cor. No suitable trees within limits.

Subdivision of T. 20 S., R. 21 E.

Chains

Land, rolling and broken benches; drainage to E.

Soil, rocky, clay and gravelly loams; subsoil clay and rock.

Timber, scattered and dense scrub cedar and pinon.

Undergrowth, sagebrush, greasewood and shadscale.

Fair grazing land.

S. $89^{\circ}59'$ E., on random line, bet. secs. 10 and 15.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

80.10

Intersect N. and S. line, 12 lks. N. of cor. secs.

10, 11, 14 and 15. Thence

N. $89^{\circ}54'$ W., on true line, bet. secs. 10 and 15.

Over top of bench, through dense timber and undergrowth of sagebrush, greasewood and shadscale.

2.20

Edge of bench, bears N. 30° W. and S. 30° E.; desc. SW.

slope, 105 ft. to

6.60

Base of bench, leave timber, and enter bottom land, bearing N. 30° W. and S. 30° E.

10.30

Wash, 40 lks. wide, 8 ft. deep, course SE.

16.75

Leave bottom land, bears NW. and SE.; asc. over rough blue clay formation NE. and E. slopes; also enter very scattered timber.

40.05

On NE. slope, 370 ft. above wash.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S10

 $\frac{1}{4}$ S15
1919raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Trees within limits but too scrubby to mark.

41.00

Top of ascent on steep N. slope, 30 ft. above $\frac{1}{4}$ cor., bears N. and S.; desc. W. slope, 310 ft. to

60.60

Wash, 20 lks. wide, 5 ft. deep, in E. edge of ravine, 2 chs. wide, course S. 10° W.; asc. 100 ft. to

65.75

Top of narrow bench, bears N. and S.

73.10

Leave bench; desc. into ravine.

Subdivision of T. 20 S., R. 21 E.

Chains

- 76.20 Narrow ravine, 70 ft. deep, course S.20°E.
 79.10 Top of ascent bet. ravines, bears NW.; desc. 25 ft. to
 80.10 The cor. of secs. 9, 10, 15 and 16.
 Land, broken benches and hilly; general drainage SE & S.
 Soil, blue clay and roaky, with clay and gravelly loams
 on clay and rock subsoil.
 Timber, scattered scrub cedar and pinon, dense on E.6.60
 Undergrowth, scattered sagebrush, shadscale and greaseweed.
 Fair grazing land.
-

N. 0°02' W., bet. secs. 9 and 10.

Over broken bench lands, through very scattered timber,
 and short scattered undergrowth of sagebrush and shad-
 scale; asc. S. slope, 40 ft. to

- 1.15 Top of bench, bears NW. and SE.
 11.80 Begin descent into draw, bears NW. and SE.
 19.25 Draw, 30 ft. deep, course SE.; asc. 80 ft. to
 29.55 Top of bench, bears NW. and SE.
 32.55 Desc. from bench, bears NW. and SE., 100 ft. to
 38.35 Draw, course SW.; enter broken blue clay formation.
 40.00 On a small clay spur, 30 ft. above draw.
 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
 ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S9 | S10

1919

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
 of cor.

- 51.00 Base of mountainous land, bearing NE. and SW.; asc.
 abruptly broken SE. slope.
 76.30 Top of 100 ft. perpendicular cliff and point of high
 mesa, 830 ft. above $\frac{1}{4}$ cor., bears SW. to W., and NE.
 to NW.
 76.80 Top of 50 ft. cliff, leave top of mesa, bears N.20W.
 and S.20°E.; desc. abruptly over E. face, 70 ft. to

Subdivision of T. 20 S., R. 21 E.

Chains	
80.00	On abrupt E. face, 1 ch. dist. E. of the rim. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 3, 4, 9 and 10, with brass cap marked
	T20S | R21E S4 | S3 S9 | S10
	1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, broken benches on S. 51 chs., and rough mountainous on remainder of mile; general exposure and drainage SE.
	Soil, blue clay and rocky, with some shallow gravelly and sandy loam on the lower benches; sandstone formation.
	Timber, very scattered scrub cedar and pinon on mile.
	Poor grazing land. Undergrowth sagebrush and shadscale.
40.00	S. $89^{\circ}54'$ E., on random line, bet. secs. 3 and 10.
80.10	Set. temp. $\frac{1}{2}$ sec. cor.
	Intersect N. and S. line, 5 lks. S. of cor. secs. 2-3- 10 and 11. Thence
	N. $89^{\circ}56'$ W., on true line, bet. secs. 3 and 10.
	Over broken mountainous land, through very scattered scrub timber and undergrowth; desc. 5 ft. to
1.00	Small ravine, course S.; asc. broken SE. slope, 260 ft.
17.00	Top of ascent on S. slope, slopes off to S.; desc. rough W. slope, through heavier timber.
30.70	Small drain, course SE., and base of steep descent, bears N. 20° W. and S. 20° E.; thence over narrow bench.
38.85	Leave bench, bears N. and S.; desc. steep W. slope.
40.05	On W. slope, 30 ft. below bench. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{2}$ sec. cor., with brass cap marked
	S3 S10 1919
	from which

Subdivision of T. 20 S., R. 21 E.

Chains	
	A cedar, 7 ins. diam., bears S. $6\frac{1}{2}$ ° E., 72 lks. dist., marked $\frac{1}{4}$ S10 BT
	A pinon, 5 ins. diam., bears N. 54° E., 95 ft. dist., marked $\frac{1}{4}$ S3 BT
46.75	Main wash, 50 lks. wide, 15 ft. deep, in large hollow, 305 ft. below the 17 ch. point, course S.
48.35	Branch wash, 50 lks. wide, 15 ft. deep, course SE. to junction with the main wash.; asc. broken blue clay formation E. slope, through very scattered timber.
75.00	40 ft. perpendicular clay bluff, bears N. and S.
80.10	The cor. of secs. 3,4,9 and 10, 735 ft. above hollow. Land, broken mountainous, with rough E. and W. slopes; drainage S.
	Soil, blue clay and rocky; sandstone formation.
	Timber, scattered cedar and pinon.
	Undergrowth, scattered sagebrush and greasewood.
	Poor grazing land.
<hr/>	
40.00	N. 0°02' W., on random line, bet. secs. 3 and 4.
68.60	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. bdy. of tp., at the cor. of secs. 3-4- 33 and 34, heretofore described. Thence S. 0°02' E., bet. secs. 3 and 4, on true line.
	Over broken mountainous land, through very scattered timber and undergrowth; along a broken, rocky S. slope or narrow bench, at foot of high break N. of line,
15.50	Top of 40 ft. ledge, at bend, bears N. 30° E. and S. 30° E.
24.50	Top of 30 ft. vertical rim ledge, bears E. and W.; desc. abrupt W. slope, 240 ft. to
28.60	On abrupt S. face.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S4 S3
	1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Subdivision of T. 20 S., R. 21 E.

Chains	
32.10	Draw, 140 ft. below $\frac{1}{4}$ cor., course SE.; abrupt ascent.
40.00	Spur, 180 ft. above draw, projects E., and bears W. 1 ch. dist. to rim ledge .60 ft. high.
	Abrupt descent, 275 ft. to
47.00	Draw, course SE.; abrupt ascent, 490 ft. to
68.60	The cor. of secs. 3, 4, 9 and 10. Land, broken mountainous, with abrupt ledgy slopes; drainage E. and SE. Soil, rocky and blue clay; sandstone formation. Timber, scattered cedar and pinon, on mile.
	Undergrowth, scattered shadscale and sagebrush. Poor grazing land.

	From the standard cor. of secs. 32 and 33 on S. bdy. of tp., heretofore described. Thence N. $6^{\circ}03'$ W., bet. secs. 32 and 33.
	Over mountainous land, facing E. to SE., through few scattered cedars, sparse short undergrowth of shadscale and greasewood.
0.90	Trail, bears NE. and SW.; asc. steep SE. clay slope.
6.00	Top of ascent on E. slope, 65 ft. above cor., slopes off to E., and ascends to W. 3 chs. dist. to SE. point of high perpendicular cliff, bearing N. and NW.; thence gradually descending along NE. slope along W. edge of bench at foot of high break to W. of line.
15.50	Same trail, bears NW. and SE.
21.00	Cross head of branch gully, 70 ft. deep, course E. 8chs. dist. to main gulch, course SE., 175 ft. below 6 ch. point; thence along E. slope, through heavier timber.
25.55	Same trail, bears NE. and SW.
40.00	On gentle E. slope, Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S32 S33
	1919

Subdivision of T. 20 S., R. 21 E.

Chains	
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Trees within limits but too scrubby to mark.
41.60	Trail, bears NW. and SE.
48.00	W. edge of the main gulch, bears N. 10° E. and SE.
60.05	Bottom of gulch, 40 lks. wide, 20 ft. deep; 50 ft. below $\frac{1}{4}$ cor., course S. 30° E.; becomes deeper to S.
62.20	Trail, bears NE. and SW.
65.60	Leave bench and begin abrupt ascent SW. slope, bears NW. and SE.; also leave all timber, bears SE. & SW.
72.20	Top of ascent on steep W. slope, 170 ft. above base, bears E. 50 lks. dist. to 60 ft. rim ledge, bearing N., and S. to SE.; desc. NW. slope, 35 ft. to
79.50	Bottom of small draw, course SW.
80.00	On rocky SE. slope. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 28, 29, 32 and 33, with brass cap marked with a vertical line through the center.
	T20S | R21E S29 | S28 S32 | S33
	1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, mountainous, general SE. and E. slopes; drainage SW. Soil, rocky and clay, mixed with some shallow gravelly and clay loam; sandstone formation.
	Timber, scattering cedar and pinon.
	Undergrowth, scattered shadscale and greasewood.
	Fair grazing land.
	East, on random line, bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.12	Intersect N. and S. line, 9 lks. N. of cor. secs. 27, 28, 33 and 34. Thence N. $89^{\circ}56'$ W., on true line, bet. secs. 28 and 33. Over rough mountainous land, through sparse short undergrowth.

Subdivision of T. 20 S., R. 21 E.

Chains	Description
0.00	Ascend abruptly E. face of break over high rim ledges, bearing NE. and S., 370 ft. to end.; descend abruptly W. face over ledges.
8.00	Top of spur, projects S. 20°W., about 15 chs. dist. to end.; descend abruptly W. face over ledges.
20.00	Base of spur, bears N. and S. 20°W.; thence over broken bench, continue to descend. At 3 mi. 3 sec. cor. dia. 63.00
24.00	Trial, bears N. 20W. and SE.
27.40	Gulch, 40 ft. deep, 550 ft. below spur, course S. 10°W. Thence over slight S. slope on bench. At 3 mi. 6 sec. cor. dia. 63.00
39.00	Trail, bears N. 70°E. and S. 70°W.
40.06	On gentle S. slope of bench. At 3 mi. 7 sec. cor. dia. 63.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S28 no. and cor. dia. 63.00
mi. 41.82	Surf. 3 mi. 8 sec. cor. dia. 63.00, date March 20, 1919
	Surface 3 mi. 8 sec. cor. dia. 63.00, date March 20, 1919
46.55	Surface 3 mi. 8 sec. cor. dia. 63.00, date March 20, 1919
53.00	Leave bench, bears N. 20°W. and S. 20°E.; asc. abrupt E. face over high sandstone rim ledges, 570 ft. to
66.60	Top of high spur, projects S. 40°W. about 20 chs. dist. to end.; desc. abruptly W. face over high ledges, 440 ft. to
79.80	Depression on S. slope, course S.; asc. 10 ft. to
80.12	The cor. of secs. 28, 29, 32 and 33.
90.5	Land, rough mountainous and broken bench, abrupt ledgy E. and W. slopes; drainage to S.
	Soil, rocky of sandstone formation, with shallow clay and gravelly loams.
	Timber, few scattered cedar trees on mile.
	Undergrowth, scattered shadscale and greasewood and grass.
	Fair grazing land.
	N. 0°03' W., bet. secs. 28 and 29.
	Over rough mountainous land, through few scattered cedar

Subdivision of T. 20 S., R. 21 E.

Subdivision of T.20 S., R. 21 E.

Chains

from which

A pinon, 8 ins. diam., bears S. $40^{\circ}20'$ E., 53 lks.
dist., marked T20S R21E S28'BT

A pinon, 6 ins. diam., bears N. $78^{\circ}W.$, 48 lks.
dist., marked T20S R21E S20'BT

and raise a mound of stone, 2 ft. basem $1\frac{1}{2}$ ft. high,

W. of cor. No suitable trees within limits in remaining
secs.

Land, high rough mountainous, with abrupt ledgy slopes.

Soil, rocky in form of ledges and boulders, mixed with
.blue clay and some gravelly loam; sandstone formation.

Timber, very scattered scrub cedar and pinon on greater
part of mile, becoming heavier on N. end.

Undergrowth, sparse shadscale, greasewood and sagebrush.

Poor grazing land.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in

S. $89^{\circ}56'$ E., on random line, bet. secs. 21 and 28.

Set temp. $\frac{1}{4}$ sec. cor.

Intersect N. and S. line, 25 lks. S. of cor. secs.

21, 22, 27 and 28. Thence

S. $89^{\circ}53'$ W., on true line, bet. secs. 21 and 28.

Over rough mountainous land, through scattering cedar
and pinon timber; scattered sagebrush and shadscale
undergrowth; asc. broken NE. slope.

Top of ascent on N. slope, 155 ft. above sec. cor.,
ascends to W.; thence along N. slope, descending.

Gully, 120 ft. below 10 ch. point, course N.; asc.

Top of ascent on N. slope, 170 ft. above gully, bears S.;
thence along N. slope.

Bottom of gulch, 60 ft. deep, 3 chs. from head, course
N. $70^{\circ}E.$

Begin abrupt ascent over nearly E. slope, over high rim
ledges, 360 ft. to

On abrupt E. slope.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

Subdivision of T. 20 S., R. 21 E.

-70-

Chains	
	S21 $\frac{1}{4}$ _____
	S28 1919
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Continue abrupt ascent over ledges, 350 ft. to
48.80	Top of ascent on N. slope, 960 ft. above sec. cor., ascends S. into ridge; enter heavier timber; descend along abrupt ledgy N. slope, 225 ft. to
55.35	Depression on N. slope, drains N.; asc. along N. slope, 520 ft. to
80.12	The cor. of secs. 20, 21, 28 and 29. Land, high, rough mountainous, with abrupt ledgy slopes General slopes and drainage N. and NE. Soil, rocky in form of rim ledges and boulders, mixed with clay and gravel; sandstone formation. Timber, cedar and pinon; scattered on E. 49 chs. and medium dense on remainder; few mahogany & red pine on W. e Undergrowth, scattered shadscale and greasewood. Poor grazing land.
	----- N. 0°03' W., bet. secs. 20 and 21. Over high rough mountainous land, through medium dense scrub cedar, pinon and mahogany timber; scattered under growth of brigham-tea and shadscale. Descending along abrupt E. slope over series rim ledges.
17.20	A high point on E. slope, projects E.; desc.
30.55	Depression on E. slope, 330 ft. below the 17.20 chs. point, drains E.; asc. 82 ft. to
36.15	Spur, takes off to N. 70°E., 320 ft. below sec. cor. Descend along abrupt N. and NW. slopes.
40.00	On abrupt NW. slope, 150 ft. below spur. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

-VI-

Subdivision of T. 20 S., R. 21 E.

Chains

S20 S21

1/4

1919

from which

A pinon, 8 ins. diam., bears S. 15° E., 56 lks. dist., marked $\frac{1}{4}$ S21 BT

A pinon, 10 ins. diam., bears S. 9 $\frac{1}{4}$ ° W., 85 lks. dist., marked $\frac{1}{4}$ S20 BT

52.45 Head of gulch, 460 ft. below $\frac{1}{4}$ cor., course NE.; and base of the abrupt descent, bears NW. and SE.; continue gradual descent over broken E. slope.

59.75 Ravine, 40 ft. deep, course NE.

66.00 Ravine, 40 ft. deep, course SE., and base of descent, bears NW. and E.; asc. broken S. and SE. slopes, 255 FT.

80.00 On an abrupt E. slope of break.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 16, 17, 20 and 21, with brass cap marked

T20S R21E

S17 S16

S20 S21

1919

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rough mountainous, general E. slope and drainage.

Soil, rocky and clay; sandstone formation.

Timber, cedar and pinon, scattered to medium dense on mile.

Undergrowth, scattered shadscale, brigham-tea and sagebrush. Fair grazing land.

N. 89°53' E., on random line, bet. secs. 16 and 21.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line, 2 lks. S. of cor. secs. 15, 16, 21 and 22. Thence

S. 89°52' W., on true line, bet. secs. 16 and 21.

Over rolling and broken bench land, facing N. and NE., through medium dense scrub cedar and pinon timber, and

Subdivision of T. 20 S., R. 21 E.

Chains	
	undergrowth of sagebrush.
29.00	Leave bench and base of high break, bears NE. and SW.; asc., abruptly E. slope over boulders and clay formation
37.50	Top of 80 ft. perpendicular ledge on E. point of high bench, 610 ft. above sec. cor., bears NW. and SW.; thence over gently rolling top of bench with gradual W. slope, through dense timber.
40.03	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S16 — S21 1919
	from which
	A pinon, 8 ins. diam., bears N. $67\frac{1}{2}^{\circ}$ E., 21 lks. dist., marked $\frac{1}{4}$ S16 BT
	A pinon, 8 ins. diam., bears S. 10° W., 12 lks. dist., marked $\frac{1}{4}$ S21 BT
75.00	Base of descent and W. edge of bench, 100 ft. below $\frac{1}{4}$ cor., bears N. and S.; also leave all but few scattered trees, bears same.; asc. abruptly E. slope of break, 185 ft. to
80.06	The cor. of secs. 16, 17, 20 and 21. Land, rolling benches and breaks. Soil, rocky and clay, with some gravelly and clay loams. Timber, cedar and pinon. Undergrowth, sagebrush. Fair grazing on greater part of mile.
	N. $0^{\circ}03'$ W., bet. secs. 16 and 17.
	Over rough mountainous land, through few scattered cedar and pinon trees, and short sparse undergrowth of sagebrush and greasewood.
	Along abrupt E. face; asc. 20 ft. to
3.50	A high point on E. slope; desc. 120 ft. to
11.70	Base of slope, in cove, bears NE. and SE.; asc. abrupt SE. slope of break, 215 ft. to
18.25	Rim ledge, 30 ft. high, bears N. 70° E. and S. 70° W.
19.55	Top of spur, projects E. 2 chs. dist. to end of top, and

Subdivision of T. 20 S., R. 21 E.

Chains	
30.80	bears W.; desc. abruptly N. slope, 300 ft. to base of abrupt slope and edge of bench, bears N.60°W. and SE.; thence over bench, slight NW. slope, through heavier timber.
40.00	Near N. edge of top of bench. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked S16 BT S.60°W. 14' above main level, rebedded in ground, 100 ft. from S16 post.
40.35	A cedar, 10 ins. diam., bears S.17°E., 15 lks. dist., marked $\frac{1}{4}$ S16 BT
40.35	A pinon, 7 ins. diam., bears N.66°W., 22 lks. dist., marked $\frac{1}{4}$ S17 BT
41.50	Top of 30 ft. rim ledge and edge of bench, bears N.80°E. and S.70°W.; desc. abruptly N. slope over ledges.
48.95	Bottom of gulch, 360 ft. below edge of bench, course NE. Abrupt ascent, 120 ft. to
55.10	Spur, projects S.70°E.; desc.
56.00	Brush fence, bears E. and W.
60.30	Base of descent, enter bottom land, 170 ft. below spur, bears, bears N.80°W. and S.80°E.; thence over cultivated land.
62.00	Stream, 3 lks. wide, 2 ins. deep, good water, in Cisco Wash, 50 lks. wide, 4 ft. deep, course S.70°E.; leave cultivated field, bears with stream; also junction of wash from Bull canyon enters at this point.
69.75	Wire fence, bears NW. and SE.
69.95	Old road, bears same.; leave bottom land, bears NW. and SE.; asc. broken slope of bench, 180 ft. to
75.75	Top of bench, bears N.20°W. and SE.
79.00	A point from which old ranch house bears S.85°54' W., about 35 chs. dist.
80.00	On W. slope in slight depression of bench. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in

Subdivision of T. 20 S., R. 21 E.

Chains

ground, for cor. of secs. 8, 9, 16 and 17, with brass cap marked

T20S	R21E
S8	S9
S17	S16

1919

from which

A cedar, 8 ins.diam., bears N. $3^{\circ}E.$, 106 lks.
dist., marked T20S R21E S9 BT

A cedar, 14 ins.diam., bears S. $60^{\circ}W.$, 21 lks.
dist., marked T20S R21E S17 BT

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor. Trees within limits in remaining secs. but
too scrubby to mark.

Land, broken mountainous and benches; exposure N. and
S. into Cisco Wash.

Soil, rocky and blue clay, mixed with gravel; clay loam
in bottom land.

Timber, cedar and pinon.

Undergrowth, sagebrush and greasewood.

Fair grazing land.

N. $89^{\circ}52'$ E., on random line, bet. secs. 9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect N. and S. line, 5 lks. N. of cor. secs.
9, 10, 15 and 16. Thence

S. $89^{\circ}54'$ W., on true line, bet. secs. 9 and 16.

Over broken bench lands, through sagebrush and shadscale
Desc. steep SW. slope, 85 ft. to

3.05 Ravine, course S. $70^{\circ}E.$; asc. 140 ft. to

5.75 Thence over bench, bears NW. and S. $70^{\circ}E.$

13.00 Enter scattering cedar and pi non timber, bears N. and S.

21.00 Leave top of bench, bears NW. and SE.; desc. 80 ft. to

25.65 Bottom of draw, course S. for 10 chs., thence to SE.;
asc. 100 ft. to

31.80 Thence over bench, bears N. and S.

37.60 N. edge of same, bears N. and S.; desc. 60 ft. to

39.85 Bottom of small draw, course S. to SE.

Subdivision of T. 20 S., R. 21 E.

Chains	
/40.05	beginning of draw, 35 ft. above base, bears N. 0°03' W. ON W. edge and 3 ft. above draw. Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked
41.00	beginning of draw, 35 ft. above base, bears N. 0°03' W. S9
41.10	beginning of draw, 35 ft. above base, bears N. 0°03' W. S16
41.20	beginning of draw, 35 ft. above base, bears N. 0°03' W. 1919
41.30	beginning of draw, 35 ft. above base, bears N. 0°03' W. raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, NW not more than 10 ft. from base, and 10 ft. from N. 0°03' of cor. 5 ft. dist. Impracticable to place mound to N.
41.75	beginning of draw, 35 ft. above base, bears N. 0°03' W. Top of low spur, 35 ft. above $\frac{1}{4}$ cor., projects S. for 5 chs., thence to SE.; desc. 40 ft. to
47.45	beginning of draw, 35 ft. above base, bears N. 0°03' W. Draw, course S., heads to N. about 10 chs. dist.; abrupt ascent E. slope, 150 ft. to
50.60	beginning of draw, 35 ft. above base, bears N. 0°03' W. Edge of bench, bears N. and SE.; thence over rolling S. slope, through dense timber.
55.50	beginning of draw, 35 ft. above base, bears N. 0°03' W. Old wood road, bears N. and S.
65.00	beginning of draw, 35 ft. above base, bears N. 0°03' W. Begin gradual descent over W. slope, bears SW. and NE
80.10	beginning of draw, 35 ft. above base, bears N. 0°03' W. The cor. of secs. 8, 9, 16 and 17, 75 ft. below the beginning of draw, 35 ft. above base, to 40 ft. below 65 ch. point.
	Land, broken benches, facing and draining SE. and S.
	Soil, blue clay, rocky and gravelly; sandstone formation.
	Timber, scattered to dense scrub cedar and pinon.
	Undergrowth, medium dense sagebrush and shadscale.
	Fair grazing on portions of milex.
	N. 0°03' W., bet. secs. 8 and 9,
	Over broken bench land, along W. edge and slope, facing into Bull Canyon, through medium dense timber and under- growth.
28.60	Leave top of bench, bears N. 20°E. and S. 10°W.; desc. 135 ft. to
39.00	Base of bench and enter canyon bottom, bears N. 20°E. and S. 10°W.; thence through very scattered timber and dense sagebrush.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in

-78-

Subdivision of T. 20 S., R. 21 E.

Chain'd	S8 | S9	
	ground, for $\frac{1}{4}$ sec. cor., with brass cap marked	
44.50	Wash, 50 lks. wide, 4 ft. deep, in bottom of Bull Canyon	
50.00	Wash, 20 lks. wide, 4 ft. deep, in Left Hand fork of	
65.50	Leave canyon bottom, enter mountainous land, bears	
77.00	Top of ascent on W. slope, bears E.; desc. along N.	
80.00	On steep, rocky W. slope.	
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in	
	ground, for cor. of secs. 4, 5, 8 and 9, with brass	
	cap marked	
	T20S | R21E	
	S5 | S4: Wash outd. from	
	medium to large cedar and piñon, some	
	1919	
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.	
	of cor. Trees within limits in 3 secs. but too scrubby	
	to mark.	
	Land, broken bench and mountainous; W. $\frac{1}{2}$ mile lies along	
	W. edge of bench on E. side of canyon, which drains	
	nearly W.; E. part of mile ascends along a steep nearly	
	W. slope, facing into left hand fork of canyon.	
	Soil, rocky, heavy clay, gravel and some shallow sandy	
	loam; sandstone formation.	
	Timber, medium dense and scattered cedar and piñon.	
	Undergrowth, sagebrush, shadscale and scattered grease-	
	wood. Fair grazing land.	

Subdivision of T. 20 S., R. 21 E.

Chains

- N. 89°54' E., on random line, bet. secs. 4 and 9.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect N. and S. line, 2 lks. S. of cor. secs. 3, 4, 9 and 10. Thence S. 89°53' W., on random line, bet. secs. 4 and 9.
- Over rough mountainous land; abrupt ascent E. face of break, 65 ft. to
- 0.65 Top of 45 ft. rim ledge and edge of high mesa, bearing N. 20°W. and S. 20°E., thence over rolling top, through dense cedar and pinon timber, and considerable sagebrush.
- 26.00 W. edge of mesa, bears N., and SW. for 10 chs. thence S. Desc. abruptly W. slope, through more scattered timber.
- 40.05 On W. slope, 185 ft. below mesa. Set an iron post, 3 ft. long, lin. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{2}$ ————— S4 —————
S9
1919
- raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 53.55 Right hand fork of Bull Canyon, 215 ft. below $\frac{1}{4}$ cor., course SW.; asc. abruptly SE. face of break, 435 ft. to
- 66.00 Top of high spur, near S. end, and top of 175 ft. perpendicular cliff, bears SW. 1 ch. to end, and N.; the spur widens out into flat bench to N. and slopes off abruptly to the S.; desc. rocky W. slope, 320 ft. to
- 80.10 The cor. of secs. 4, 5, 8 and 9.
- Land, rough mountainous, with abrupt slopes of mesa; drainage to S.
- Soil, rocky with clay and gravel; light sandy loam on the top of high mesa, on bedrock subsoil.
- Timber, dense and scattered cedar and pinon.
- Undergrowth, sagebrush, with shadscale and greasewood.
- Fair grazing land.

Subdivision of T. 20 S., R. 21 E.

Chains	
	N. 0°03' W., on random line, bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
68.82	Intersect N. bdy. of ltp., 8 lks. W. of cor. secs. 4, 5, 32 and 33, heretofore described. Thence S. 0°01' W., on true line, bet. secs. 4 and 5.
	Over high, rough mountainous land, through dense cedar pinon, red pine and fir, and scattered sagebrush.
	Asc. steep N. slope, 60 ft. to
3.80	Top of spur, projects S.80°W.; leave red pine and fir timber, continue through scattered timber; desc. abrupt S. slope over series of sandstone rim ledges.
12.15	Coal vein, 5 ft. thick, extends E. and W.
17.00	Base of the abrupt and ledgy slope, bears E. and W.; continue more gradual descent over bench.
28.82	On level ground on bench, 675 ft. below spur. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S5 | S4 1919
	from which
	A cedar, 6 ins. diam., bears S.80°E., 8 lks. dist., marked $\frac{1}{4}$ S4 BT
	A cedar, 8 ins. diam., bears S.39°W., 46 lks. dist., marked $\frac{1}{4}$ S5 BT
31.70	Gulch, 130 ft. deep, course S.70°W.
35.10	Top of S. side gulch, bears E. and W.; thence over bench through dense timber.
49.00	S. edge of bench and top of 70 ft. perpendicular ledge, bearing N.70°W. and S.70°E.; leave dense enter scattered timber; desc. abruptly SW. slope to
53.00	Thence along steep rocky nearly W. slope.
68.82	The cor. of secs. 4, 5, 8 and 9, 305 ft. below ledge. Land, rough mountainous; general S. and SW. exposure and drainage. Soil, rocky in form of ledges and boulders, with blue clay and gravel.

Subdivision of T. 20 S., R. 21 E.

Chains	
	Timber, dense to scattered cedar and pinon, with some red pine and fir on N. end of mile.
	Undergrowth, scattered sagebrush, shadscale and grease-wood. Fair grazing land on the benches.
subdir	.42 surface, beyond which the general elevation rises. From the standard cor. of secs. 31 and 32 on S. bdy.
	of tp., heretofore described. Thence N. 0°03' W., bet. secs. 31 and 32.
	Over mountainous land, through scattered scrub cedar and pinon; scattered undergrowth of shadscale and sagebrush.
	Over bench to
1.20	Descend into gulch, 170 ft.
3.85	Gulch, course NE. about 3 chs. to canyon course E.
8.65	Point of bench, 75 ft. above gulch, projects NE. 1 ch. dist.
9.65	Narrow rocky gulch, left hand fork of Sagers Canyon, 90 ft. below point of bench, course E.; asc. 130 ft to
14.20	Rim of the gulch, bears N.80°W. and S.80°E.; thence over rolling bench, slight SW. slope.
30.30	Trail, bears E. and W.
31.50	Base of sandstone bluff, bears NE. and W. The line to N. passes over SE. point of vertical cliff about 100 ft. high, over which it is impracticable to chain. To pass ledge, I offset 3.70 chs. E., then N.0°03'W., on offset line to 40.00 chs., then W. 2.60 chs.
40.00	True point for $\frac{1}{4}$ sec. cor. falls on E. face of inaccessible ledges, therefore at this point, which is 1.10 chs. E. of true point,
	Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in ground to bedrock and in a large mound of stone, 5 ft. base, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked
	WC S31 S32
	1919
	No accessory mound built. Cor stands at foot of high ledge, bearing N.10°W. and S.20°E.

-80-

Subdivision of T. 20 S., R. 21 E.

Chains

- Thence continue on offset line, (3.70 chs. E. of true line) N. $0^{\circ}03'W.$, to 57.00 chs.; then, W. 3.70 chs. to
57.00 On true line; base of bluff and edge of canyon bottom,
bearing NW. and SE.
- 63.00 Small alkaline seep in Sagers Canyon, course SE.; gradu-
ally asc. along bottom to
- 70.00 Leave bottom land; bears N. $20^{\circ}W.$ and SE.; asc. abruptly
along rocky W. slope, 75 ft to
- 80.00 On abrupt W. slope.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in
ground, for cor. of secs. 29, 30, 31 and 32, with
brass cap marked

T20S	R21E
S30	S29
S31	S32

1919

from which

A cedar, 10 ins. diam., bears S. $57\frac{1}{2}^{\circ}W.$, 44 lks.
dist., marked T20S R21E S31 BT

A cedar, 8 ins. diam., bears N. $81\frac{1}{2}^{\circ}W.$, 258 lks.
dist., marked T20S R21E S30 BT

and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor. No trees within limits in remaining secs.
Land, mountainous, consisting of broken benches and
steep broken slopes; drainage to S.

Soil, rocky and clay, with shallow clay and gravelly
loams; sandstone formation.

Timber, scattered cedar and pinon.

Undergrowth, scattered shadscale, greasewood & sagebrush
Fair grazing land.

-
- East, on random line, bet. secs. 29 and 32.
40.00 Set temp. ¼ sec. cor.

50.00 Intercept N. and S. line, 9 lks. S. of cor. secs.
28, 29, 32 and 33. Thence

S. $59^{\circ}56'W.$, on true line, bet. secs. 29 and 32.

Over broken mountainous land, through very scattered
timber and undergrowth; along broken S. and SW. slopes,

Subdivision of T. 20 S., R. 21 E.

Chains	
25.00	over ledgy points projecting S.
40.03	Canyon, 175 ft. below cor., course SE.; asc. ledgy E. slope, 310 ft. to Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked <u>S29</u> <u>1919</u>
47.00	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
54.75	Note: Coal veins, 2 to 6 ft. thick extend along this slope, N. and SW.
62.75	Top of high spur, 250 ft. above $\frac{1}{4}$ cor., projects S. 20° E.
72.00	Thence along broken S. slope to
80.06	Spur, projects SW.; desc. abruptly W. slope, 190 ft. to Head of draw, course SW.; asc. 25 ft. to Spur, projects SW.; desc. abruptly W. slope, over ledges, 285 ft. to The cor. of secs. 29, 30, 31 and 32.
86.30	Land, rough and broken mountainous; drainage S. Soil, rocky in form of ledges and boulders, with clay and gravel; gray sandstone formation. Timber, very scattered scrub cedar and pinon. Undergrowth, scattered shadscale and sagebrush. Poor grazing land. West, on random line, bet. secs. 30 and 31. Set temp. $\frac{1}{4}$ sec. cor. Intersect W. bdy. of tp., 23 lks. N. of cor. secs. 25, 30, 31 and 36, which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. Thence N. 89° 51' E., on true line, bet. secs. 30 and 31. Over rough mountainous land, through very scattered timber and undergrowth; desc. SE. slope, 35 ft. to

Subdivision of T. 20 S., R. 21 E.

Chalks

- 2.25 Small gully, course SW.; ascends abruptly SW. slope over series of rim ledges extending NW. and SE.
- 3.05 Coal vein, 6 ft. thick, extends NW. and SE.
- 30.90 Top of high ridge, 750 ft. above cor., bears N. and S. Descend abruptly over ledges; E. slope, 770 ft. to
- 45.30 Coal vein, 8 ft. thick, bears N. and S.
- 46.30 On abrupt E. slope.
Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for 1 sec. cor., with brass cap marked

S30

4 S31

1919

- raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- Thence over NE. and N. slopes; descending.
- 57.80 Gulch, 90 ft. deep, course NE.
- 71.50 Spur, projects N.; desc. abruptly into canyon, 200 ft.
- 77.35 Small alkaline seep in bottom of Sagers' Canyon, 1125 ft below high ridge, course SE.; thence across bottom to
- 84.00 Branch gully, 30 ft. deep, course SW.; asc. abruptly 60 ft. to
- 86.30 The cor. of secs. 29, 30, 31 and 32.
- Land, high rough mountainous, with abrupt ledgy slopes; drainage S.
- Soil, rocky with clay; sandstone formation.
- Timber, very scattered scrub cedar and pinon.
- Undergrowth, scattered shadscale, greasewood and sagebrush. Poor grazing land.
-
- N. 0°03' W., bet. secs. 29 and 30.
- Over rough mountainous land, through scattered timber and undergrowth; along steep W. slope, desc. 50 ft. to
- 8.35 Gully, course SW.; asc. abruptly S. and SE. slopes over series of rim ledges. (coal outcrops along slope)
- 15.44 Top of 30 ft. ledge, and spur, 470 ft. above gully, projects S. 80°W.; continue ascent along W. slope.

Subdivision of T. 20 S., R. 21 E.

Chains

25.50 Top of ascent on W. slope, 75 ft. above spur, slopes off to W.; desc. 70 ft. to

30.15 Head of small gulch, course W.; asc. 125 ft. to

36.00 Top of ascent on W. slope, bears N. 80° E., to ridge; desc. abruptly N. and NW. slopes, 160 ft. to

40.00 On rocky NW. slope.

Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S30 | S29
1920

from which

A cedar, 4 ins. diam., bears N. $47\frac{1}{4}^{\circ}$ E., 50 lks. dist., marked $\frac{1}{4}$ S29 BT

A pinon, 8 ins., diam., bears N. $80\frac{1}{4}^{\circ}$ W., 65 lks. dist., marked $\frac{1}{4}$ S30 BT

Note: A coal prospect tunnel, 12 ft. long, in a $5\frac{1}{2}$ ft. vein, bears N. 36° W., about 12 chs. dist.

44.25 Gulch, 150 ft. below $\frac{1}{4}$ cor., course S. 80° W.; abrupt ascent over broken ledges, 610 ft. to

60.00 Top of spur, projects S. 60° W., descend abruptly 610 ft.

78.35 Gulch, drains S. 80° W.; coal outcrops along slopes of gulch; asc. abruptly 60 ft. to

80.00 On a steep S. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 19, 20, 29 and 30, with brass cap marked

T20S | R21E
S19 | S20
S30 | S29
1920

from which

A cedar, 8 ins. diam., bears S. $19\frac{1}{4}^{\circ}$ E., 150 lks. dist., marked T20S R21E S29 BT

A red pine, 16 ins. diam., bears S. $31\frac{1}{4}^{\circ}$ W., 182 lks. dist., marked T20S R21E S30 BT

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,

W. of cor. No suitable trees within limits in other secs.

Subdivision of T. 20 S., R. 21 E.

-84-

Chains

- Land, high rough mountainous, general W. slope and drainage into Sagers Canyon about $\frac{1}{4}$ mile to W. of line.
- Soil, rocky in form of ledges and boulders, with clay and gravel; sandstone formation.
- Timber, scattered scrub cedar and pinon, on mile.
- Undergrowth, scattered shadscale, sagebrush and grease wood. Fair grazing land.
- N. $89^{\circ}56'$ E., on random line, bet. secs. 20 and 29.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect the cor. of secs. 20, 21, 28 and 29. Thence S. $89^{\circ}56'$ W., on true line, bet. secs. 20 and 29.
- Over high rough mountainous land, through medium dense timber, and scattered undergrowth; asc. abrupt NE. slope.
- 0.85 Top of high main ridge, bears N. 20° W. and SE., 25 ft. above cor.; desc. along SW. and S. slopes over rim ledges, 240 ft. to
- 9.50 Near head of canyon, course S.; asc. 270 ft. to
- 28.00 Spur, projects S.; desc. 410 ft. to
- 40.05 On W. slope.
- Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground for $\frac{1}{4}$ sec. cor., with brass cap marked
- S20
 $\frac{1}{4}$
S29
1919
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No suitable trees within limits.
- 42.25 Canyon, 85 ft. below $\frac{1}{4}$ cor., course S.; abrupt ascent over ledges, 540 ft. to
- 58.75 Ridge, bears N. and S.; desc. abruptly over ledges, 700 ft. to
- 78.00 Near head of gulch, course SW.; asc. along S. slope, 45 ft. to
- 80.10 The cor. of secs. 19, 20, 29 and 30.
- Land, high rough mountainous, with abrupt ledgy slopes; drainage to S.

Subdivision of T. 20 S., R. 21 E.

Chains	
	Soil, rocky in form of ledges and boulders, with shallow clay and gravelly loams; gray sandstone formation.
	Timber, medium dense scrub cedar and pinon.
	Undergrowth, scattered shadscale, sagebrush and mountain mahogany.
	Poor grazing land.
	S. $89^{\circ}51'$ W., on random line, bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
86.32	Intersect W. bdy. of tp., 7 lks. S. of cor. secs. 19, 24, 25 and 30, which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general. Thence N. $89^{\circ}54'$ E., on true line, bet secs. 19 and 30.
	Over rough mountainous land, through medium dense timber and scattered undergrowth; asc. 200 ft. to
32.80	Ridge, bears N. $20^{\circ}W.$ and S.; desc. gradually along broken S. slope, 415 ft. to
44.60	Spur, projects SE., and bears N. $80^{\circ}W.$; desc. 70 ft. to
46.32	On NE. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S19
	$\frac{1}{4}$
	S30
	1920
	from which
	A pinon, 6 ins. diam., bears N. $18\frac{1}{2}^{\circ}E.$, 63 lks. dist., marked $\frac{1}{4}$ S19 BT
	A pinon, 6 ins. diam., bears S. $3\frac{1}{4}^{\circ}E.$, 53 lks. dist., marked $\frac{1}{4}$ S30 BT
	Continue descent over ledgy NE. and E. slopes, 865 ft. to
70.20	Sagers Canyon, course S. $10^{\circ}E.$; asc. along S. slope, 250 ft.
86.32	The cor. of secs. 19, 20, 29 and 30.
	Land, high rough mountainous, with steep rocky slopes; drainage to S.
	Soil, rocky in form of ledges and boulders, with shallow gravel and clay; gray sandstone formation.

Chains	Timber, dense to scattered cedar and pinon, on mile. Undergrowth, scattered sagebrush, shadscale and service brush. Poor grazing land.
	N. 0°03' W., bet. secs. 19 and 20.
	Over rough broken mountainous land, through scattering timber and undergrowth; ascend abruptly S. slope over series of rim ledges, 250 ft. to
6.55	Spur, projects S.70°W.; desc. 100 ft. to
11.25	Head of draw, drains SW.; asc. 180 ft. to
16.30	Spur, projects SW.; desc. 150 ft. to
23.55	Head of gulch, course S.70°W.; asc. broken SW. slope, 215 ft. to
38.90	On SW. slope at foot of 100 ft. ledge, bears N.20°W. and SE.; as true point for $\frac{1}{4}$ sec. cor. falls on inac- cessible slope of ledge; therefore at this point, Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in ground to bedrock and in a mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked
	WC $\frac{1}{4}$ S19 S20 1920
	from which
	A cedar, 10 ins. diam., bears S.53 $\frac{1}{4}$ °E., 72 lks. dist., marked WC $\frac{1}{4}$ S20 BT
	A cedar, 6 ins. diam., bears N.59 $\frac{1}{2}$ °W., 19 lks. dist., marked WC $\frac{1}{4}$ S19 BT
40.00	True point for $\frac{1}{4}$ sec. cor. falls on inaccessible SW. face of 100 ft. ledge. No cor. set here.
40.90	Top of ascent on W. end of ledge, on spur, bears S.80°W. Desc. NW. slope, 250 ft. to
48.45	Gulch, course SW.; asc. ledgy S. slope, 575 ft. to
74.00	Top of ascent on E. slope, bears E. and W., thence along an E. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 17, 18, 19 and 20, with brass

Subdivision of T. 26 S., R. 21 E.

Chains

cap marked

T20S	R21E
S18	S17
S19 S20	

1920.

from which .

A pinon, 8 ins.diam., bears N.25°E., 66 lks.
dist., marked T20S R21E S17 BT

A pinon, 8 ins.diam., bears S.39°E., 75 lks.
dist., marked T20S R21E S20 BT

A pinon, 12 ins.diam., bears S.87°W., 25 lks.
dist., marked T20S R21E S19 BT

A pinon, 7 ins.diam., bears N.14°W., 40 lks.
dist., marked T20S R21 E. S16 BT

Land rough and broken mountainous; general W. and SW.
exposure and drainage.

Soil, rocky in form of ledges and boulders, with shallow
clay and gravel; gray sandstone formation.

Timber, scattered to medium dense cedar and pinon, on mts.

Undergrowth, scattered sagebrush, shadscale and service.

Poor grazing land.

N. 89°56' E., on random line bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.08 Intersect N. and S. line, 16 lks. S. of cor. secs.
16, 17, 20 and 21. Thence

S. 89°49' W., on true line, bet. secs. 17 and 20.

Over broken mountainous land, through very scattered
timber and undergrowth; abrupt ascent E. face of break
2.10 Top of ascent on break, 155 ft. above sec. cor., bears
N. and SW.; thence over broken ledgy S. slope, gradually
descending 225 ft. to

38.00 Gulch, course S.70°E.; asc. abruptly rocky E. slope,
75 ft. to

40.04 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
ground, for $\frac{1}{4}$ sec.. cor., with brass cap marked

S17

S20
1920

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Subdivision of T. 20 S., R. 21 E.

Chains

- Continue abrupt ascent over series of high sandstone ledges, bearing NW. and SE., 850 ft. to
- 53.30 Main ridge, bears N. and S.; enter dense timber; desc. W. slope, 400 ft. to
- 69.15 Gulch, course S. 30° W.; asc. ledgy E. slope, 355 ft. to
- 80.08 The cor. of secs. 17, 18, 19 and 20. Land, rough mountainous, with abrupt ledgy slopes; drainage to. SE. and SW. Soil, rocky in form of ledges and boulders, with shallow clay and gravelly loams; gray sandstone formation. Timber, cedar and pinon; scattered on E. 53 chs. and dense on remainder of mile.
- Undergrowth, scattered shadscale, sagebrush, with some service brush on W. end of mile. Fair growth of grass for grazing.
-
- S. $89^{\circ}54'$ W., on random line, bet. secs. 18 and 19.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 86.28 Intersect W. bdy. of tp., 7 lks. N. of the cor. of secs. 13, 18, 19 and 24, which is an iron post, 3 ins. dia., extending 12 ins. above mound of stone, firmly set, properly marked and witnessed as described by the surveyor general. Thence
- N. $89^{\circ}51'$ E., on true line, bet. secs. 18 and 19.
- Over rough mountainous land, through medium dense cedar and pinon timber; scattered undergrowth.
- Desc. 90 ft. to
- 2.30 Gulch, course S. 20° E.; asc. 500 ft. to
- 23.30 Spur, projects S.; desc. rocky E. slope, 600 ft.
- 57.30 Gulch, course S.; asc. W. slope, 250 ft. to
- 46.28 On W. slope. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S18

S19
1940

Subdivision of T. 20 S., R. 21 E.

Chains

from which

A pinon, 10 ins.diam., bears S. $44\frac{1}{2}$ $^{\circ}$ W., 53 lks.
dist., marked $\frac{1}{4}$ S19 BT

A pinon, 12 ins.diam., bears N. $49\frac{1}{2}$ $^{\circ}$ W., 34 lks.
dist., marked $\frac{1}{4}$ S18 BT

56.00 High spur, 250 ft. above $\frac{1}{4}$ cor., projects S.; desc.
steep E. slope, 280 ft. to

67.25 Gulch, course S.; asc. steep W. slope, 405 ft. to

81.30 Spur, projects S.; desc. abruptly 235 ft. to

86.28 The cor. of secs. 17, 18, 19 and 20.

Land, rough mountainous, cut by deep gulches and high
spurs, putting S.; drainage to S.

Soil, rocky, gravelly, with clay and sandy loams.

Timber, medium dense cedar and pinon, on mile.

Undergrowth, sagebrush, service and scrub mahogany.

Poor grazing land.

N. $0^{\circ}05'$ W., bet. secs. 17 and 18.

Over rough mountainous land, through dense cedar and
pinon timber, scattered sagebrush and service brush.

Along rolling E. slope of spur, ascending.

31.40 Top of ascent on E. slope, 135 ft. above cor., slopes
off to E.; gradually desc. 25 ft. to

40.00 On a SE. slope; depression, drains SE..

Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in
ground to bedrock and in a mound of stone, for $\frac{1}{4}$ sec.
cor., with brass cap marked

S18 S17

1920

from which

A cedar, 7 ins.diam., bears S. $54\frac{1}{2}$ $^{\circ}$ W., 18 lks.
dist., marked $\frac{1}{4}$ S18 BT

A pinon, 8 ins.diam., bears N. $18\frac{1}{2}$ $^{\circ}$ E., 41 lks.
dist., marked $\frac{1}{4}$ S17 BT

42.00 Main ridge, bears E. and NW.; descend abruptly along
W. slope, over broken ledges, 625 ft. to

80.00 On abrupt NW. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in

Subdivision of T. 20 S., R. 21 E.

Chains	<p>ground for cor. of secs. 7, 8, 17 and 18, with brass marked</p> <table border="1"> <tr> <td>T20S</td><td>R21E</td></tr> <tr> <td>S7</td><td>S8</td></tr> <tr> <td>S18</td><td>S17</td></tr> </table> <p style="text-align: center;">1920</p> <p>from which</p> <p>A cedar, 14 ins.diam., bears S.$2\frac{1}{2}$^oE., 84 lks. dist.,marked T20S R21R S17, BT</p> <p>A pinon, 8 ins.diam., bears S.54°W., 91 lks. dist.,marked T20S R21E S18/BT</p> <p>A pinon, 8 ins.diam., bears N.$12\frac{1}{2}$^oW., 76 lks. dist.,marked T20S R21E S7, BT</p> <p>and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.; No suitable trees within limits in sec. 8.</p> <p>Land, rough mountainous, with steep rocky slopes; exposure to E. and SE. on S. 42 chs., and to W. and NW. on remainder of mile; drainage to N. and S. from high ridge at 42 chs.</p> <p>Soil, rocky mixed with clay and reddish sandy & gravelly loams; gray sandstone formation.</p> <p>Timber, cedar and pinon, dense and medium dense on mile. Undergrowth, medium dense sagebrush, service and buck brush. Poor grazing land.</p> <hr/> <p>N. $89^{\circ}49'$ E., on random line, bet. secs. 8 and 17.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>80.12 Intersect N. and S. line, 14 lks. S. of cor. secs. 8, 9, 16 and 17. Thence</p> <p>S. $89^{\circ}43'$ W., on true line, bet. secs. 8 and 17.</p> <p>Over mountainous land, through scattered timber and undergrowth; desc. W. slope of bench, 135 ft. to</p> <p>5.80 Base of slope and leave timber, and enter canyon bottom, bearing N. and S.</p> <p>8.00 Wash, 50 lks. wide, 6 ft. deep, in bottom of Bull Canyon course S.</p> <p>10.70 Leave canyon bottom, bears N. and S.; asc. clay slope under high sandstone rim, E. slope, 180 ft.</p> <p>16.75 Thence along S. slope under rim bearing E. and W.</p>	T20S	R21E	S7	S8	S18	S17
T20S	R21E						
S7	S8						
S18	S17						

Subdivision of T. 20 S., R. 21 E.

Chains	
31.00	Base of 60 ft. vertical rim ledge, bears N. 80° E., and SW.
33.15	Top of ledgy spur, projects S. 30° W., 2½ chs. dist. to end, 100 ft. above base; desc. abruptly N. slope. Note: Old house, bears S. 12° W., about 3½ chs. dist. from top of spur.
35.45	Base of rocky spur, and enter canyon bottom, 105 ft. below top, bears S. 30° E. and NW.
39.80	As true point for $\frac{1}{4}$ sec. cor. falls in edge of wash where cor. cannot be perpetuated; therefore at this point Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked
	S8 WC $\frac{1}{4}$
	S17 1920
	from which
	A cottonwood; 10 ins. diam.; bears N. 0 $\frac{3}{4}$ ° W., 52 lks. dist., marked WC $\frac{1}{4}$ S8 BT
	and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
40.06	True point for $\frac{1}{4}$ sec. cor., falls in edge of wash where cor. cannot be perpetuated. No cor. set here.
40.40	Stream, 3 lks. wide, 4 ins. deep, fresh water, in wash, 30 lks. wide, 6 ft. deep, in Cisco Canyon, course S. 80° E.
42.50	Leave canyon bottom, bears NW. and S. 60° E.; asc. over abrupt, broken NE. face of mountain, series of rim ledges, through scattered timber.
60.70	Top of high point on N. slope, bears S.; and point from which old house bears S. 83° E.
75.75	High sharp spur, 845 ft. above $\frac{1}{4}$ cor., projects N. 2° E. Descend abruptly W. slope through dense timber, 175 ft. to
80.12	The cor. of secs. 7, 8, 17 and 18. Land, broken and rough mountainous; sloping to S. on E. $\frac{1}{2}$ and to N. on W. $\frac{1}{2}$ mile, into Cisco Canyon, which drains about S. 70° E.

Subdivision of T. 20 S., R. 21 E.

Chains	
	Soil, rocky with clay and gravel; sandstone formation.
	/ Timber, scattered to medium dense cedar and pinon.
	Undergrowth, sagebrush, with scattered service and buckbrush.
	Fair grazing land on parts of the mile.
	S. $89^{\circ}51'$ W., on random line, bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
86.22	Intersect W. bdy. of tp., 5 lks. N. of cor. secs. 7, 12 13 and 18, which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general. Thence N. $89^{\circ}49'$ E., on true line bet. secs. 7 and 18.
	Over rough mountainous land, through dense cedar and pinon timber, scattered sagebrush, service and buckbrush.
	Asc. 75 ft. to
3.00	Ridge, bears N. and S.; desc. E. slope, 245 ft. to
11.45	Gulch, course SW.; asc. 450 ft. to
29.65	Ridge, bears N. and S.; desc. 120 ft. to
43.20	Gulch, course S. 30° W.; asc. 55 ft. to
46.22	On W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in ground to bedrock, and in a mound of stone, for $\frac{1}{4}$ sec. cor. with brass cap marked
	S7
	Set a post, 3 ft. long, $\frac{1}{4}$ sec. off random line, bet. S. 86.22 to S. 40.00, in a small depression in a ridge, 1920 ft. elevation, from which
	A pinon, 8 ins. diam., bears N. 89° E., 22 lks. off dist., marked $\frac{1}{4}$ S7 BT
	A pinon, 8 ins. diam., bears S. 53° W., 27 lks. off dist., marked $\frac{1}{4}$ S18 BT
50.80	High ridge, 55 ft. above $\frac{1}{4}$ cor., bears N. 30° W. and S.; descend abruptly E. slope over series of broken ledges.
80.00	Gulch, 1125 ft. below ridge, course N.; asc. abruptly, 240 ft. to
86.22	The cor. of secs. 7, 8, 17 and 18.

Subdivision of T.20 S., R.21 E.

Chains	Land, rough mountainous, with abrupt rocky slopes; drainage to SW. and SE. Soil, rocky with clay and gravel and dark clay loam. Fair grazing on portions of mile. Timber cedar and pinon. Undergrowth sagebrush, service and buck brush.
19.35	N.. 0°03' W., bet. secs. 7 and 8.
23.45	Over rough mountainous land, through scattered cedar and pinon timber; scattered undergrowth of sage, service and buckbrush; desc. along steep NW. slope, 450 ft. to
28.50	Gulch, course NE.; asc. abruptly, 235 ft. to
36.60	Rocky spur, slopes E.; desc. abruptly N. slope, 200 ft.
38.00	Base of slope, enter canyon bottom, bears NW. and E.
39.00	Stream, 3 lks. wide, 4 ins. deep, in wash, 30 lks. wide, 6 ft. deep, in Cisco Canyon, course SE.; asc.
40.00	Trail, bears NW. and SE.
46.20	Leave canyon bottom, bears E. and W.; asc. S. slope.
55.70	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S7 | S8

1920

raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

46.20	Top of ascent on W. slope, 175 ft. above $\frac{1}{4}$ cor., slopes W. thence along broken W. slope.
55.70	Gulch, course S. 30°W.; asc. abruptly over ledgy S. and SE. slopes; 580 ft. to
80.00	On a rocky SE. slope. Set an iron post, 3 ft. long, 2 ins. dia., 76 ins. in ground to bedrock, and in a large mound of stone, for cor. of secs. 5, 6, 7 and 8, with brass cap marked

T20S | R21E

S6 | S5

S7 | S8

1920

from which

Subdivision of T. 20 S., R. 21 E.

Chains	
	A cedar, 8 ins. diam., bears S. $28\frac{1}{4}$ E., 62 lks. dist., marked T20S R21E S8 BT A cedar, 8 ins. diam., bears S. $77\frac{1}{2}$ W., 37 lks. dist., marked T20S R21E S7, BT
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No suitable trees within limits in remainin secs.
	Land, mountainous, facing N. and S. into Cisco Canyon, which drains to SE.; slopes abrupt and ledgy.
	Soil, rocky in form of ledges and boulders, with shallow clay and sandy loams; gray sandstone formation.
	Timber, scattered and medium dense scrub cedar and pino few cottonwoods along Cisco canyon.
	Undergrowth, scattered sage, service and buck and oak brush. Fair grazing on portions of mile.
	N. $89^{\circ}43'$ E., bet. secs. 5 and 8.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect the cor. of secs. 4, 5, 8 and 9. Thence S. $89^{\circ}43'$ W., on true line, bet. secs. 5 and 8. Over rough mountainous land, through medium dense cedar and pinon, and sagebrush; desc. W. slope, 130 ft. to
8.65	Left hand fork of Bull Canyon, small seep in same, course S.; ascend abruptly E. face of break, 240 ft. to
14.05	Top of abrupt ascent and 100 ft. vertical cliff, bears N. and S.; continue ascent over broken E. and SE. slope
40.03	On SE. slope, 275 ft. above cliff. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S5 $\frac{1}{4}$ S8 1920
	raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. No suitable trees within limits.
53.75	Ridge, 330 ft. above $\frac{1}{4}$ cor., bears NW. and S.; desc. abruptly over ledges, 500 ft. to
70.50	Rocky gulch, course S. 10 W.; asc. abruptly over ledges.

Subdivision of T. 20 S., R. 21 E.

Chains	
80.06	The cor. of secs. 5, 6, 7 and 8, 400 ft. above gulch. Land, rough mountainous, with rocky abrupt slopes; drainage S. Soil, rocky in form of ledges and boulders, with shallow clay and gravelly loam; sandstone formation. Timber, medium dense scrub cedar and pinon. Undergrowth, sagebrush, with scattered service and buck brush. Fair grazing on portions of mile.
	S. $89^{\circ}49'$ W., on random line, bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
86.14	Intersect W. bdy. of tp., 2 lks. S. of cor. of secs. 1, 6, 7 and 12, which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general.
	Thence
	N. $89^{\circ}50'$ E., on true line, bet. secs. 6 and 7.
	Over rough mountainous land, through dense cedar and pinon, scattered sagebrush and oak brush; along top of high ridge to
4.00	E. edge of ridge, bears NE. and S.; desc. abruptly E. face over series of high broken sandstone ledges.
29.00	Gulch, 925 ft. below ridge, course N. 70° E.; asc. 75 ft.
31.00	Low spur, projects E., desc. gradually 115 ft. to
38.65	Stream, 3 lks. wide, 4 ins. deep, in bottom of Cisco Canyon, course SE.; few scattered cottonwoods along bottom.
42.65	Trail, bears NW. and SE.
42.85	Leave canyon bottom, bears N. and SE.; asc. 60 ft. to
46.14	On a SE. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S6
	S7
	1920

Subdivision of T. 20 S., R. 21 E.

Chains	
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Trees within limits but too scrubby to mark.
80.85	Ascend along broken, ledgy S. and SW. slopes, 850 ft. t Spur, on S. slope, slopes off to S. 20° W.; desc. E. slope 75 ft. to
86.14	The cor. of secs. 5, 6, 7 and 8. Land, high rough mountainous, with abrupt ledgy slopes; general E. and SW. slopes into Cisco canyon, draining Soil, rocky in form of ledges and boulders, with shallow clay and gravel, some sandy loam; gray sandstone formation.
	Timber, medium dense to scattering scrub cedar & pinon. Undergrowth, considerable sagebrush; and scattered clumps of oakbrush. Poor grazing on greater portions of mile.
40.00	N. $0^{\circ}01'$ E., on random line, bet. secs. 5 and 6.
69.22	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. bdy. of tp., 28 lks. E. of cor. secs. 5, 6, 31 and 32, heretofore described. Thence S. $0^{\circ}13'$ E., on true line, bet. secs. 5 and 6. Over rough mountainous land, through dense cedar and pinon; scattered sage, service and oak brush; desc. abr S. slope over ledges, 150 ft. to
4.80	Gulch, course E.; asc. abruptly N. slope, through heavy timber, enter scattered red pine.
29.22	On N. slope, 525 ft. above gulch. Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in ground to bedrock, and in a large mound of stone, for the $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S 6 S5
	1920
	from which
	A pinon, 24 ins. diam., bears East, 26 lks. dist., marked $\frac{1}{4}$ S5 BT
	A pinon, 12 ins. diam., bears S. $12\frac{1}{2}$ W., 18 lks. dist., marked $\frac{1}{4}$ S6 BT

200

Boundaries of T. 20 S., R. 21 E.

Chains	
31.35	Top of ascent on high ridge, 110 ft. above $\frac{1}{4}$ cor., bears NW. and S.; thence gradually desc. 125 ft. to
40.00	Dreprssion, drains SE.; asc. 90 ft. to
51.20	Top of ascent, slopes E.; desc. abruptly S.. slopes over ledges, 635 ft. to
69.22	The cor. of secs. 5, 6, 7 and 8. Land, high rough mountainous, with abrupt ledgy slopes. Soil, rocky with shallow clay and gravel. Timber, dense cedar, pinon and scattered red pine. Undergrowth, sagebrush, service and scattered oak brush. Poor grazing land.

Boundaries of T. 20 S., R. 21 E.

Latitudes, departures, and closing errors.

Lines designated	True bearings	Dist- ances	Latitudes N. lat. S.	Departures E. dep. W.
			Chs.	Chs. Chs. Chs.
S. bdy. of tp.	East	486.20		486.20
E. bdy. of tp.	North	468.54	468.54	
N. bdy. of tp.	West	485.68		485.68
W. bdy. of tp.	South	469.54		469.54
Convergency				.59
Totals -----		468.54 469.54 486.20 486.27		
Error in latitude -----			1.00	486.20
Error in departure -----				0.07

General Description of T. 20 S., R. 21 E.

The township contains two varieties of land, namely rough, broken mountainous, and low rolling and broken bench or desert land. The mountainous land lies in the Book Cliff mountains and extends through approximately the west half and extreme north portions of the township. Is very broken by high sharp ridges and spurs, deep gulches and canyons; rimmed with series of vertical sandstone ledges. Cisco and Sagers Canyons are the main

General Description of T. 20 S., R. 21 E.

drains of the tp. The eastern portion lies in the Grand River Valley, consists of low rolling and broken bench classed as desert land. Drainage of the township is to SE...
The soil of the mountainous land is mostly rocky in form of ledges and boulders, with clay, shallow gravelly and sandy loams; on the desert or bench lands it is principally a blue clay, with a shallow gravelly and dark sandy loam, on clay and shale subsoil. There is considerable level bottom land along Cisco Canyon wash, below sec. 27 where the soil is a deep, fine, moist clay loam, and capable of producing excellent crops with the aid of irrigation.

The mountainous and north portion of the valley lands are covered with a medium growth of scrub cedar and pinon pine timber; with the timber is found scattered growth of sagebrush, shadscale and service brush. On the bench lands a short growth of shadscale, graseswood and sagebrush is found. Fairly good growth of bunch grass is found throughout the township.

The township is watered by a small stream of about $\frac{1}{2}$ sec. ft., which flows through Cisco Canyon. The stream rises along bed of wash in NW. $\frac{1}{4}$ of sec. 6. And when not used for irrigation purposes on Turners' ranch in sec. 15, would probably flow as far as the E. bdy. before sinking. At present all the water is used on land in sec. 15. There is also a very small seep in left fork of Bull Canyon, rises in wash bottom in approximately SE. $\frac{1}{4}$ of SE. $\frac{1}{4}$ of sec. 5, flows for about $\frac{1}{2}$ mile before sinking. And a small seep in Sagers Canyon which rises in SE. $\frac{1}{4}$ of SE. $\frac{1}{4}$ sec. 30, flows about $\frac{1}{2}$ mile before sinking. No other water was found in the tp. Coal outcroppings or indications were found in the following secs: secs. 1-2-3-4-5-6-7-8-9-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32 and 33. The veins being from 1 to 8 ft. thick.

General Description of T. 20 S., R. 21 E.

Oscar Turner, the only settler in the township, has a ranch, located in S. $\frac{1}{2}$ of sec. 15, consisting of approximately 45 acres under cultivation, two houses, stable, granary and sheds, corrals, fences and ditches; value of improvements approximately \$8000. The buildings are located in the NW $\frac{1}{4}$ of SW $\frac{1}{4}$ sec. 15. Excellent crops of alfalfa, corn, garden truck, and fruit are raised here. In the N $\frac{1}{2}$ of NE $\frac{1}{4}$ sec. 17, there is a small frame house, corrals, small orchard and about 15 to 20 acres under cultivation. This was the original Nash ranch, now owned by Oscar Turner and abandoned.

There are no indications of mineral, other than coal found in the township.

The township is being used chiefly for grazing purposes; the bench lands affording good winter grazing.

The average magnetic declination in this tp. is N. 15 $\frac{1}{2}$ °E.

Andrew Nelson
U.S. Surveyor

Chassey J. Terry
U.S. Transitman

James P. Dugley
U.S. Transitman

**Blank
Page**

WATER LOCATIONS IN T. 20 S., R. 21 E.

Stream of from $\frac{1}{2}$ to 1 sec. ft. in Cisco Canyon.

SW $\frac{1}{4}$ of NW $\frac{1}{4}$; W $\frac{1}{2}$ of SW $\frac{1}{4}$ and SE $\frac{1}{4}$ of SW $\frac{1}{4}$ ~~and~~ of sec. 6.

NE $\frac{1}{4}$ of NW $\frac{1}{4}$; NW $\frac{1}{4}$ of NE $\frac{1}{4}$; S $\frac{1}{2}$ of NE $\frac{1}{4}$ and NE $\frac{1}{4}$ of SE $\frac{1}{4}$, sec. 7.

N $\frac{1}{2}$ of SE $\frac{1}{4}$; SE $\frac{1}{4}$ a SW $\frac{1}{4}$, sec. 8.

N $\frac{1}{2}$ of NE $\frac{1}{4}$, sec. 17.

NW $\frac{1}{4}$ of NW $\frac{1}{4}$; S $\frac{1}{2}$ of NW $\frac{1}{4}$; SW $\frac{1}{4}$ of NE $\frac{1}{4}$; NE $\frac{1}{4}$ of SE $\frac{1}{4}$, sec. 16.

N $\frac{1}{2}$ of SW $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$, sec. 15.

S $\frac{1}{2}$ of SW $\frac{1}{4}$, sec. 14.

Small seep in left fork Bull Canyon.

SE $\frac{1}{4}$ of SE $\frac{1}{4}$, sec. 5; NE $\frac{1}{4}$ of NE $\frac{1}{4}$, sec. 8.

Small seep in Sagers Canyon,

SE $\frac{1}{4}$ of SE $\frac{1}{4}$, sec. 30; NE $\frac{1}{4}$ of NE $\frac{1}{4}$, sec. 31 and

SW $\frac{1}{4}$ of NW $\frac{1}{4}$, sec. 32.

REVIEWED - 08/07/2014 BY JEFFREY R. REED

Blank

Page

BOOK A-446

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Frank Romney	1st Chainman
Albert W. Constantine	1st Chainman
Paul Peterson	2nd Chainman
William Guthrie	2nd Chainman
Geo. W. Balmforth	2nd Chainman
Paul Paterson	Flagman
Alvin Ashby	Flagman
LeRoy Peck	Flagman
James Serverson	Axman
Ray Ollis	Axman
Melvin Krotki	Axman

**CERTIFICATE OF UNITED STATES SURVEYOR.
AND UNITED STATES TRANSITMEN.**

We, Andrew Nelson, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 22nd day of July, 1918, we have well, faithfully, and in our own proper persons, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of resurvey of 4th standard parallel south, through range 21 east; survey of north and east boundaries and subdivision of T. 20 S., R. 21 E.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented and date diagram the foregoing field notes as having been executed by us, and under our direction; and that all the corner said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field note such survey.

Salt Lake City, Utah Jan 31, 1921 *Andrew Nelson*
U. S. Surveyor
Alameda, Wyo.; May 31, 1921 *Chauncey J. Terry*
U. S. Transitman
Washington D. C. April 12, 1921 *James P. Quigley*
U. S. Transitman
 APPROVAL
 OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 29, 1921

The foregoing field notes of the survey of resurvey of the Fourth Standard Parallel South, through Range No. 21 East; and the survey of the east and north boundaries and subdivisional lines of Township No. 20 South, Range No. 21 East of the Salt Lake Base and Meridian, Utah;

executed by Andrew Nelson, Chauncey J. Terry and James P. Quigley under his special instructions dated July 22, 1918, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

John M. O'Leary
 U. S. Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

Blank

Page

Blank

Page

BOOK A-446

A.



FIELD NOTES

OF THE SURVEY OF THE

RESURVEY OF THE WEST, NORTH AND EAST BOUNDARIES,

RESURVEY OF THE 5TH. STANDARD PARALLEL

SOUTH, R. 7 W., RESURVEY AND SURVEY

OF THE SUBDIVISION OF

T. 25 S., R. 7 W.

Of the SALT LAKE BASE AND Meridian,

In the State of UTAH

EXECUTED BY

Howard W. Miller, U. S. Cadastral Engineer

and

Walter Byergo, U. S. Transitman.

In the capacity of U. S. Surveyor, under Special Instructions dated August 29, 1918,
 issued by the United States Surveyor General to govern surveys included in Group
 No. 78, which were approved by the Commissioner of the General Land
 Office, Sept. 21, 1918, and Supplemental Assignment Instructions dated October 18, 1919
 and SUPPLEMENTAL ASSIGNMENT INSTRUCTIONS DATED May 8, 1920.

Survey commenced November 3, 1919

Survey completed May 24, 1920, 799

BOOK A-446

INDEX DIAGRAM.

Township	25 SOUTH					Range	7 WEST				
	84	72	52	31	30						
20	28 6	99 5	83 4	73 3		62 2		42 1			
	98	97	82	72		61		40			
20	27 7	95 8	81 9	71 10	60	11	50	12	9		5
	96	94	80	70		58		49			
20	26 18	92 17	79 16	69 15	57 14	47 13		18	7		5
	92	91	79	68	56	56		46			
19	24 19	89 20	78 21	67 22	55 23	44 24		24	6		5
	89	88	77	66	54	54		39			
19	22 30	87 29	76 28	65 27	53 26	36 25					
	86	85	75	64	52						
19	21 31	84 32	74 33	63 34	51 35	34 34		36	36		
	17	15	14	12	11						

296A

BOOK A-446

4-679 b

INDEX DIAGRAM.

Township 25-5, Range 78W

	120	129	128	127	126
124	394	397	398	399	395
123	394	395	396	398	397
122	391	397	398	399	396
121	391	390	396	395	394
120	396	398	395	394	393
119	392	397	398	399	392
118	395	394	393	392	391
117	392	393	394	395	393
116	395	394	393	392	391
115	395	394	393	392	391
114	395	394	393	392	391
113	395	394	393	392	391
112	395	394	393	392	391
111	395	394	393	392	391
110	395	394	393	392	391
109	395	394	393	392	391
108	395	394	393	392	391
107	395	394	393	392	391
106	395	394	393	392	391
105	395	394	393	392	391
104	395	394	393	392	391
103	395	394	393	392	391
102	395	394	393	392	391
101	395	394	393	392	391
100	395	394	393	392	391
99	395	394	393	392	391
98	395	394	393	392	391
97	395	394	393	392	391
96	395	394	393	392	391
95	395	394	393	392	391
94	395	394	393	392	391
93	395	394	393	392	391
92	395	394	393	392	391
91	395	394	393	392	391
90	395	394	393	392	391
89	395	394	393	392	391
88	395	394	393	392	391
87	395	394	393	392	391
86	395	394	393	392	391
85	395	394	393	392	391
84	395	394	393	392	391
83	395	394	393	392	391
82	395	394	393	392	391
81	395	394	393	392	391
80	395	394	393	392	391
79	395	394	393	392	391
78	395	394	393	392	391
77	395	394	393	392	391
76	395	394	393	392	391
75	395	394	393	392	391
74	395	394	393	392	391
73	395	394	393	392	391
72	395	394	393	392	391
71	395	394	393	392	391
70	395	394	393	392	391
69	395	394	393	392	391
68	395	394	393	392	391
67	395	394	393	392	391
66	395	394	393	392	391
65	395	394	393	392	391
64	395	394	393	392	391
63	395	394	393	392	391
62	395	394	393	392	391
61	395	394	393	392	391
60	395	394	393	392	391
59	395	394	393	392	391
58	395	394	393	392	391
57	395	394	393	392	391
56	395	394	393	392	391
55	395	394	393	392	391
54	395	394	393	392	391
53	395	394	393	392	391
52	395	394	393	392	391
51	395	394	393	392	391
50	395	394	393	392	391
49	395	394	393	392	391
48	395	394	393	392	391
47	395	394	393	392	391
46	395	394	393	392	391
45	395	394	393	392	391
44	395	394	393	392	391
43	395	394	393	392	391
42	395	394	393	392	391
41	395	394	393	392	391
40	395	394	393	392	391
39	395	394	393	392	391
38	395	394	393	392	391
37	395	394	393	392	391
36	395	394	393	392	391
35	395	394	393	392	391
34	395	394	393	392	391
33	395	394	393	392	391
32	395	394	393	392	391
31	395	394	393	392	391
30	395	394	393	392	391
29	395	394	393	392	391
28	395	394	393	392	391
27	395	394	393	392	391
26	395	394	393	392	391
25	395	394	393	392	391
24	395	394	393	392	391
23	395	394	393	392	391
22	395	394	393	392	391
21	395	394	393	392	391
20	395	394	393	392	391
19	395	394	393	392	391
18	395	394	393	392	391
17	395	394	393	392	391
16	395	394	393	392	391
15	395	394	393	392	391
14	395	394	393	392	391
13	395	394	393	392	391
12	395	394	393	392	391
11	395	394	393	392	391
10	395	394	393	392	391
9	395	394	393	392	391
8	395	394	393	392	391
7	395	394	393	392	391
6	395	394	393	392	391
5	395	394	393	392	391
4	395	394	393	392	391
3	395	394	393	392	391
2	395	394	393	392	391
1	395	394	393	392	391
0	395	394	393	392	391

6-4517

DATE DIAGRAM T.25 S., R. 7 W.

	5-25-20	5-24-20	11-25-19	11-25-19	11-25-19	
	6	5	4	3	2	1
	5-25-20 11-22-19	5-25-20 11-22-19	5-24-20 11-25-19	5-24-20 11-19-19	5-24-20 11-17-19	
	5-26-20 11-22-19	5-26-20 11-22-19	5-26-20 11-20-19	5-26-20 11-25-19	5-26-20 11-17-19	
	7	8	9	10	11	
	11-22-19 11-21-19	11-22-19 11-21-19	11-20-19 11-20-19	11-24-19 11-24-19	11-19-19 11-19-19	11-18-19 11-18-19
	18	17	16	15	14	13
	11-21-19 11-20-19	11-21-19 11-20-19	11-15-19 11-14-19	11-14-19 11-13-19	11-13-19 11-12-19	11-18-19 11-15-19
	19	20	21	22	23	24
	11-15-19 11-15-19	11-15-19 11-14-19	11-14-19 11-13-19	11-13-19 11-12-19	11-12-19 11-10-19	11-23-19 11-23-19
	30	29	28	27	26	25
	11-15-19 11-15-19	11-15-19 11-14-19	11-11-19 11-10-19	11-11-19 11-5-19	11-10-19 11-5-19	11-23-19 11-30-19
	31	32	33	34	35	
	11-7-19 11-6-19	11-11-19 11-6-19	11-6-19 11-6-19	11-6-19 11-5-19	11-5-19 11-5-19	

All lines dated and colored with black ink were surveyed

jointly by Howard W. Miller, U. S. Cadastral Engineer
and Walter Evergo, U. S. Transitman.

All lines dated and colored with red ink were surveyed
by Howard W. Miller, U. S. Cadastral Engineer.

TEST OF INSTRUMENT.

CHAINS

Survey commenced November 3, 1919 and executed with Buff and Buff light mountain transit No. 8964, equipt with Smith Solar attachment and full vertical circle. The horizontal limb is provided with two double verniers, placed opposite to each other and reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs and vertical circle.

The instrument was approved for use in this survey by the Assistant Supervisor of Surveys for Utah in assignment instructions dated October 18, 1919 and May 8, 1920.

I examine the adjustments of the transit and correct all errors, then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations made on Polaris, I proceed as follows: November 3, 1919: At my camp, which is situated near the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of T.25 S., R.7 W.; approximate latitude $38^{\circ}38'N.$; longitude $112^{\circ}33'W.$; at 9h.00m.a.m. apparent time, I set off $38^{\circ}38'$ on the latitude arc; $-14^{\circ}51'S.$, on the declination arc and determine a meridian with the solar and note that a tree on high peak about 4 miles distant bears $N.3^{\circ}29'E.$

MERIDIAN OBSERVATION OF THE SUN FOR TIME AND LATITUDE

November 3, 1919: At my station in camp, I make a meridian observation of the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb.

TEST OF INSTRUMENT.

CHAINS

Mean observed altitude $36^{\circ} 27' 57''$
Reduced latitude $38^{\circ} 38' 00'' \checkmark$

Mean watch time of observation 12h. 13m. 51s.p.m.
watch fast of l.m.t., 30m. 12s. ✓

At apparent noon with the instrument in the meridian, I set off $38^{\circ} 38'$ on the latitude arc and bring the image of the sun precisely between the equatorial wires in the solar telescope by means of the tangent on the declination arc and find that the declination is $14^{\circ} 54' S.$ which is the proper declination.

At 3h. p.m. apparent time, I set off $38^{\circ} 38'$ on the latitude arc; $14^{\circ} 56' S.$, on the declination arc; and determine a meridian with the solar and find that the tree bears N. $3^{\circ} 28' E.$.

At the same station at 5h. 04m. 55s. p.m. l.m.t., I make an hour angle observation on Polaris, east of the meridian, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from Polaris in the direction N-E to the tree noted in my solar observations of this date.

Watch time of observation 5h. 35m. 07s.p.m.
Mean horizontal angle from Polaris to tree = $2^{\circ} 02'$
Azimuth of Polaris at time of observation = N. $1^{\circ} 26' E.$

True bearing of tree N. $3^{\circ} 28' E.$

The solar observations made during a.m. and p.m. hours do not vary more than $1'$ of arc from the meridian determined by observations made on Polaris. I therefore conclude that the instrument is in good adjustment.

The instrument was kept in good adjustment during the progress of the survey, frequent tests being made on the above meridian.

The survey of this township was discontinued before completion in 1919 on account of adverse weather conditions and operations were again resumed in May 1920, the survey being completed with the same instrument as used in 1919.

May 22, 1920: I examine the adjustments of the transit

CHAINS

and correct all errors ; I then test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations made on Polaris as follows:

Note: The Polaris meridian established in November 1919 is used in testing the solar apparatus for the continuation of this survey and also for all subsequent tests.

May 22, 1920: Station at camp near the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of T.25 S., R.7 W. approximate latitude $38^{\circ}38'N.$, longitude $112^{\circ}33'W.$; at 8h. 00m. a.m. apparent time, I set off $38^{\circ}38'$ on the latitude arc; $20^{\circ}25'N.$, on the decl. arc; and determine a meridian with the solar and note that the tree on peak bears $N.3^{\circ}28'E.$.

At apparent noon with the instrument in the meridian I set off $38^{\circ}38'$ on the latitude arc and observe the sun on the meridian; the resulting declination is $20^{\circ}27'N.$.

At 4h. p.m. apparent time, I set off $38^{\circ}38'$ on the latitude arc; $20^{\circ}29'N.$, on the decl. arc; and determine a meridian with the solar and note that the tree bears $N.3^{\circ}28'E.$.

The solar apparatus by a.m. and p.m. hours defines positions for meridians that do not vary more than 1' of arc from the meridian established by observations made on Polaris, I therefore conclude that the instrument is in good adjustment.

MEASUREMENTS

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape 5 chains in length compared with a Lufkin standard steel tape 1 chain long and found correct. The measurements are made on

RESURVEY OF THE EAST BOUNDARY OF T.25 S., R.7 W.

CHAINS

slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

RESURVEY OF THE EAST BOUNDARY OF T.25 S., R.7 W.

I begin at the cor. of secs. 19, 24, 25 and 30 on the E. bdy. of T.25 S., R.7 W. which is a limestone, 20 x 10 x 6 ins., standing on ground, loosely set and properly marked. No accessories to cor.

Thence

North, on a retracement line bet. secs. 19 and 24.

40.47 Fall 34 lks. W. of the $\frac{1}{4}$ sec. cor. which is the center of a dilapidated mound of stone. A limestone, 14 x 10 x 4 ins. in center of mound bears indications of having been marked.

The bearing of this $\frac{1}{2}$ mile is therefore N. $0^{\circ}29'E.$ and the distance is 40.47 chs.

From $\frac{1}{4}$ sec. cor., continue North, with continuous measurement.

80.69 Fall 15 lks. W. of the cor. of secs. 13, 18, 19 and 24 hereinafter described.

The bearing of this $\frac{1}{2}$ mile is therefore N. $0^{\circ}13'E.$, and the distance is 40.22 chs.

From the cor. of secs. 13, 18, 19 and 24,

North, on a retracement line bet. secs. 13 and 18.

40.00 No trace of the $\frac{1}{4}$ sec. cor. can be found; I therefore continue my line north making careful searches at intervals of 40.00 and 80.00 chs. for sec. and $\frac{1}{2}$ sec. cors. and at,

156.12 Fall 1.56 chs. W. of the cor. of secs. 1, 6, 7 and 12 hereinafter described.

RESURVEY OF THE EAST BOUNDARY OF T.25 S., R.7 W.

CHAINS.

The bearing of the line between the cor. of secs. 13, 18, 19 and 24 and the cor. of secs. 1, 6, 7 and 12 is N.0°34'E., and the proportionate distance for each $\frac{1}{2}$ mile is 39.03 chs.

I begin at the cor. of secs. 19, 24, 25 and 30 and re-establish same as follows:

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, and bury old stone cor. alongside, for cor. of secs. 19, 24, 25 and 30, with brass cap marked

T25S	
R7W	R6W
S24	S19
S25	S30

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Thence

N.0°29'E., on resurvey line bet. secs. 19 and 24.

Over rolling foothills sloping W., through scattering small scrub cedar timber and undergrowth of sagebrush.

5.90 Top of ascent, 10 ft. above cor., bears E., and W. about 5 chs. to valley; gradually descend over gentle NW. slope.

15.10 Millard County Telephone Line, bears N.20°E. and S.20°W.

33.40 Old Kanosh-Beaver M. Utah road, bears NE. and SW., also leave hills and enter small valley, bears NE. and SW.

40.47 The $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground at center of old mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

S24 | S19

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

RE-SURVEY OF THE WEST BOUNDARY OF T. 25 S., R. 7 W.

CHAINS

Thence

N.0°13'E., with continuous measurement.

51.20

Wash, 10 lms. wide, 3 ft. deep, drains SW.

60.50

Enter rolling mountainous land and dense cedar and piñon timber, bears NE. and SW.

80.69

On gentle S. slope, 50 ft. above sec. cor.

The cor. of secs. 13, 18, 19 and 24 which is a gray sandstone, 12 x 10 x 3 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

Set an iron post, 3 ft. long, 2 ins. in dia., 34 ins. in the ground alongside old cor. for cor. of secs. 13, 18, 19 and 24, with brass cap marked

T25S			
R7W		R6E	
S13		S18	
S24		S19	

1919

from which

A cedar, 6 ins.dimm., bears N.71°E., 72 lms.

dist.,marked T 25 S R 6 W S 18 B T

A cedar, 10 ins.diam.,bears S.79°E., 49 lms.

dist.,marked T 25 S R 6 W S 19 B T

A cedar, 12 ins.diam.,bears S.47°E., 196 lms.

dist.,marked T 25 S R 7 W S 24 B T

A cedar, 10 ins.diam.,bears N.39°E., 159 lms.

dist.,marked T 25 S R 7 W S 13 B T

Land, rolling hills, mountains and valley; general S. exposure and drainage.

Soil, brownclay loam, gravelly and rocky of limestone and volcanic formation; subsoil, hard, dry clay.

Timber, scattering scrub cedar.

Undergrowth, sagebrush.

Good grazing.

N.0°34'E., on a resurvey line bet. secs. 13 and 18.

RE SURVEY OF THE EAST BOUNDARY OF T.25 S., R.7 W.

CHAINS	
	Over rolling mountainous land through scattering cedar and pinon timber and undergrowth of sagebrush and juniper. Ascend S. slope.
8.90	Thence along nearly E. slope continuing to ascend.
34.50	Top of spur in low saddle, 300 ft. above sec. cor., comes from the N. and projects SW. A wire corral, 1 ch. diam., bears W. 1 ch. Continue ascent SE. slope.
39.03	Proportionate measurement. Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for $\frac{1}{2}$ sec. cor. W. bdy. sec. 18, T.25 S., R.6 W., with brass cap marked
	$\frac{1}{2}$ S18 1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
	No suitable bearing trees available.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground on solid rock and 12 ins. in a mound of stone for $\frac{1}{2}$ sec. cor. E. bdy. sec. 13, T.25 S., R. 7 W. with brass cap marked
	$\frac{1}{2}$ S13 1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No suitable bearing trees available.
50.85	Spur, 215 ft. above last spur, projects SW.; descend NW. slope.
53.45	Draw, 35 ft. below spur, drains S.80°W.; ascend.
64.30	Top of ridge divide between Dog Valley and Antelope Valley, 45 ft. above draw, bears E. and W.; leave timber, bears with ridge. Descend abruptly.
72.70	Draw, 140 ft. below ridge, drains NW.; thence along rocky W. slope gradually descending.
75.00	Wash, 10 lms. wide, 10 ft. deep, drains W.

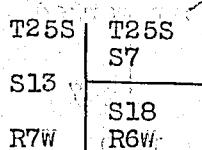
RESURVEY OF THE EAST BOUNDARY OF T.25 S., R.7 W.

CHAINS

78.06

Proportionate measurement.

Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for cor. of secs. 7 and 18, T.25 S., R.6 W., with brass cap marked



1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

No suitable trees available.

Land, mountainous; general N. and S. exposure and drainage from divide at 64.20 chs.

Soil, shallow brown loam, gravelly and rocky of volcanic formation; subsoil, hard, dry, brown clay and rock.

Timber, scrub cedar and pinon.

Undergrowth, sagebrush and juniper.

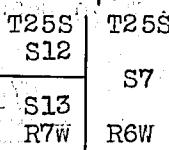
Good grazing.

N.0° 34'E., on a resurvey line bet. secs. 7 and 12.

Over rough mountainous land through dense scrub cedar and pinon timber and undergrowth of sagebrush.

Along steep, rocky W. slope.

1.94 Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground on solid rock and 10 ins. in a mound of stone for cor. of secs. 12 and 13, E. bdy. T.25 S., R.7 W., with brass cap marked



1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees available.

RESURVEY OF THE EAST BOUNDARY OF T. 25 S., R. 7 W.

CHAINS

8.80 High ridge point, projects NW.; leave dense timber; descend over N. slope of mountain.

39.03 Proportionate measurement
Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. W. bdy. sec. 7, T. 25 S., R.6 W., with brass cap marked

 $\frac{1}{4}S7$

1919

Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.

No suitable bearing trees available.

41.94 At foot of mountain, 625 ft. below point.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. E. bdy. sec. 12, T.25 S., R.7 W., with brass cap marked

 $\frac{1}{4}S12$

1919

Dig pits, 18 x 18 x 12 ins., N. and S.. of post, 3 ft. dist.

No suitable bearing trees available.

Thence over rolling foothills sloping N. into Dog Valley.

78.06 130 ft. below $\frac{1}{4}$ sec. cor. sec. 12.

The cor. of secs. 1,6,7 and 12 which is a trachyte, 8 x 8 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground alongside old cor. for cor. of secs. 1,6, 7 and 12, with brass cap marked

T25S

R7W	R6W
S1	S6
-----	-----
S12	S7

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, mountainous, steep and rough on S. $\frac{1}{2}$ mile, rolling in the N. $\frac{1}{2}$ mile.; general N. exposure and drainage.

RESURVEY OF THE 5TH. STANDARD PARALLEL SOUTH, R.7 W.

CHAINS

Soil, shallow brown clay and rocky of volcanic formation; subsoil, hard, dry, brown clay and rock.

Timber, scattering scrub cedar and pinon; dense on S. 8.80 chs.

Undergrowth, sagebrush, scattering juniper and oak.

Fair grazing.

RESURVEY OF THE 5TH. STANDARD PARALLEL SOUTH, R.7 W.

I begin at the standard cor. of secs. 1,2,35 and 36 on the S. bdy. of T.25 S., R.7 W., which is a lava rock, 8 x 8 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

Alongside of old cor.,

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for standard cor. of secs. 1,2,35 and 36, with brass cap marked

T25SR7W

SC

S35 | S36

-----|-----
S2 | S1

T26S

1919

Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.

Thence

West, on a resurvey line along S. bdy. of sec. 35

Over rolling land through dense sagebrush undergrowth,

25.00 Enter very scattering scrub cedar timber, bears N. and S.

40.06 Fall 3 lks. S. of the standard $\frac{1}{4}$ sec. cor. which is a

lava rock, 8 x 8 x 8 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground alongside old cor. for standard $\frac{1}{4}$ sec. cor.,

with brass cap marked

SC

$\frac{1}{4}$ S 35

1919. North direction.

RE-SURVEY OF THE 5TH. STANDARD PARALLEL SOUTH, R.7 W.

REMARKS

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

The bearing of this ½ mile is therefore N.89°57'W., and the distance is 40.06 chs.

From point 3 lks. S. of cor., continue

West

42.65

Each, 32 lks. wide, 1 ft. deep, drains N.

42.30

Enter dense cedar timber, bears N. and S.

42.30

Leave timber, bears N. and SW.

42.08

Roll 13 lks. N. of the standard cor. of secs. 34 and 35 which is a lava rock, 10 x 10 x 8 ins. above ground, loosely set, and marked and witnessed as described by the surveyor general.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground alongside old cor. for standard cor. of secs. 34 and 35 with brass cap marked

	SC
T25S	R7W
S34	S35

1919

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

The bearing of this ½ mile is therefore S.89°46'W., and the distance is 40.02 chs.

Land, rolling; general N. exposure and drainage.

Soil, brown, clay loam and rocky of volcanic formation; sub-soil, hard, dry, friable clay and rock.

Timber, scattering patches of scrub cedar.

Undergrowth, sagebrush.

Fair grazing.

From the standard cor. of secs. 34 and 35.

East on resurvey line along S. bdy. sec. 34.

Over rolling hills through dense sagebrush undergrowth and scattering scrub cedar timber.

4.40

To a clearing cor. of secs. 2 and 3, T.25 S., R.7 W., which is a volcanic rock, 6 x 6 x 12 ins. above ground,

RESURVEY OF THE 5TH. STANDARD PARALLEL SOUTH, R.7 W.

CHAINS

40.07

63.50

68.35

80.12

firmly set, and marked and witnessed as described by the surveyor general.

Fall 8 lks. N. of the standard $\frac{1}{4}$ sec. cor., which is a lava rock, 6 x 8 x 10 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground alongside old cor. for standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC
 $\frac{1}{4}$ S34

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high. N. of cor.

No suitable bearing trees available.

The bearing of this $\frac{1}{2}$ mile is therefore S. $89^{\circ}53'W.$ and the distance is 40.07 chs.

From $\frac{1}{4}$ sec. cor., continue West.

Spur, 20 ft. above $\frac{1}{4}$ sec. cor., projects N.; gradually descend W. slope.

Draw, 30 ft. below spur, drains N. $10^{\circ}W.$; gradually ascend.

Fall 7 lks. S. of the standard cor. of secs. 33 and 34, which is a volcanic rock, 12 x 8 x 18 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground alongside old cor. for standard cor. of secs. 33 and 34, with brass cap marked

SC
T25S | R7W
S33 | S34

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

No suitable bearing trees available.

RESURVEY OF THE 5TH. STANDARD PARALLEL SOUTH, R. 7 W.

CHAINS	
	The bearing of this $\frac{1}{4}$ mile is therefore N. 89° 54' W., and the distance is 40.05 chs. Land, rolling hills; general N. exposure and drainage. Soil, shallow brown clay loam and rocky of volcanic formation; sub-soil, hard, dry, friable clay and rock. Timber, scattering scrub cedar. Undergrowth, sagebrush.
	From the standard cor. of secs. 33 and 34. West, on a resurvey line along S. bdy. sec. 33 Over rolling hills, through dense undergrowth of sagebrush and very scattering scrub cedar and pinon timber. Gradually ascend.
4.38	Intersect the closing cor. of secs. 3 and 4, T. 26 S., R. 7 W. which is a volcanic rock, 6 x 6 x 8 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general...
6.70	Ridge, 15 ft. above sec. cor., bears N. and S.; enter dense cedar and pinon timber, bears N. and S. Gradually descend.
25.00	Draw, 80 ft. below ridge, drains NW.; gradually ascend.
28.00	Low spur, 15 ft. above draw, projects NW.; gradually descend.
40.01	Intersect the standard $\frac{1}{4}$ sec. cor., which is a volcanic rock, 10 x 14 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground alongside old cor. for standard $\frac{1}{4}$ sec. cor., with brass cap marked
	SC $\frac{1}{4}$ S33
	1919
	from which
	A cedar, 4 ins. diam., bears N. 60° E., 125 lks. dist., marked S C $\frac{1}{4}$ S 33 B T

RESURVEY OF THE 5TH. STANDARD PARALLEL SOUTH, R. 7 W.

CHAINS

No other suitable trees available.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

The bearing of this $\frac{1}{2}$ mile is therefore West and the distance is 40.01 chs.

From $\frac{1}{2}$ sec. cor., continue

West

45.00 Low spur, projects NW.; gradually descend.

55.50 Rocky point, projects S. about 1 ch.

60.50 Enter very scattering timber, bears N. and S.

80.02 Intersect the standard cor. of secs. 32 and 33, which is a volcanic rock, 10 x 8 x 8 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

Set an iron post, 3 ft. long, 2 ins. in dia., 18 ins. in the ground on solid rock and 6 ins. in a mound of stone alongside old cor. for standard cor. of secs. 32 and 33, with brass cap marked

SC	
T25S	R7W
S32	S33

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

The bearing of this $\frac{1}{2}$ mile is West and the distance is 40.01 chs.

Land, rolling hills; general N. exposure and drainage.

Soil, shallow brown clay and rock; sub-soil, hard, dry friable clay and rock.

Timber, scattering scrub cedar and pinon.

Undergrowth, sagebrush.

Good grazing.

From the standard cor. of secs. 32 and 33

West, on a resurvey line along S. bdy. of secs. 32.

Over rolling hills through very scattering scrub cedar and pinon timber and undergrowth of sagebrush.

RESURVEY OF THE 5TH. STANDARD PARALLEL SOUTH, R.7 W.

CHAINS	
4.51	Intersect the closing cor. of secs. 4 and 5, T.26 S., R.7 W., which is a volcanic stone, 8 x 10 x 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
13.10	Draw, 35 ft. below sec. cor., drains NW.; gradually ascend E. slope.
40.10	Fall 3½ lks. S. of the standard $\frac{1}{4}$ sec. cor. which is a volcanic rock, 6 x 6 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground alongside old cor. for standard $\frac{1}{4}$ sec. cor., with brass cap marked
	SC $\frac{1}{4}$ S32
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	The bearing of this $\frac{1}{2}$ mile is therefore N. $89^{\circ}57'W.$, and the distance is 40.10 chs.
	From $\frac{1}{4}$ sec. cor., continue
	West
40.20	Spur, 20 ft. above draw, projects N.; gradually descend.
54.10	Draw, 40 ft. below spur, drains N.; gradually ascend E. slope.
57.00	Small rocky spur, 40 ft. above draw, projects N.; descend.
59.10	Draw, 15 ft. below spur, drains N.; gradually ascend E. slope.
64.60	Rocky spur, 30 ft. above draw, projects N.; descend.
80.16	Fall 6 lks. S. of the standard cor. of secs. 31 and 32 which is a volcanic rock, 6 x 8 x 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground alongside old cor. for standard cor. of secs. 31 and 32, with brass cap marked

RESURVEY OF THE 5TH STANDARD PARALLEL SOUTH, R.7 W.

CHAINS

SC	
T25 S	R7W
S31	S32

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

The bearing of this $\frac{1}{2}$ mile is therefore N. $89^{\circ}55'W.$, and the distance is 40.06 chs.

Land, rolling hills, general N. exposure and drainage.

Soil, shallow brown loam and rocky of volcanic formation; subsoil, hard, dry friable clay and rock.

Timber, a few scattering scrub cedar and pinon.

Undergrowth, sagebrush.

Good grazing.

From the standard cor. of secs. 31 and 32.

West, on a resurvey line along S. bdy. of sec. 31.

Over rolling hills, through scattering scrub cedar and pinon timber and undergrowth of sagebrush. Gradually ascend.

4.30 Intersect the closing cor. of secs. 5 and 6, T.26 S., R.7 W., which is a volcanic rock, 4 x 8 x 10 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

19.00 Low spur, 15 ft. above sec. cor., projects N.; gradually descend.

26.30 Enter dense scrub cedar and pinon timber, bears N. and S.

40.09 Fall 6 lks. N. of the standard $\frac{1}{2}$ sec. cor. which is a volcanic rock, 8 x 8 x 4 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in

the ground on solid rock and 20 ins. in a large mound of stone alongside old cor. for standard $\frac{1}{4}$ sec. cor., with brass cap marked

1919

 $\frac{1}{4}$ S31

RESURVEY OF THE 5TH. STANDARD PARALLEL SOUTH, R.7 W.

CHAINS	<p>Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p> <p>No suitable bearing trees are available.</p> <p>The bearing of this $\frac{1}{2}$ mile is therefore S.$89^{\circ}55'W.$, and the distance is 40.09 chs.</p> <p>From the $\frac{1}{4}$ sec. cor., continue West</p> <p>Leave timber, bears N. and S.</p> <p>Leave hills and sagebrush undergrowth, enter clay flat covered with short shadscale undergrowth, bears NE. and SW.</p> <p>Old road, bears NE. and SW.</p> <p>Fall 16 lks. S. of the standard SW. cor. of T.25 S., R. 7 W. which is a volcanic rock, 8 x 8 x 4 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.</p> <p>Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground alongside old cor. for standard SW. cor. of T.25 S., R.7 W., with brass cap marked</p>			
	<p>SC</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T25S</td> </tr> <tr> <td>R7W</td> </tr> <tr> <td>S31</td> </tr> </table> <p>T26SR7W S6</p> <p>1919</p>	T25S	R7W	S31
T25S				
R7W				
S31				
	<p>Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p> <p>The bearing of this $\frac{1}{2}$ mile is therefore N.$89^{\circ}46'W.$, and the distance is 39.99 chs.</p> <p>From this cor., the closing cor. of T.26 S., Rs. 7 and 8 W., which is a volcanic rock, 10 x 8 x 5 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears West, 1.37 chs. distant.</p> <p>Land, eastern portion of mile rolling hills; western portion clay flat; general N. exposure and drainage.</p> <p>Soil, light brown clay and rocky of volcanic formation;</p>			
	0101			

RESURVEY OF THE WEST BOUNDARY OF T.25 S., R. 7 W.

CHAINS

subsoil, hard, dry clay and rock.
 Timber, scrub cedar and pinon on eastern portion of mile.
 Undergrowth, sagebrush and shadscale.
 Good grazing.

RESURVEY OF THE WEST BOUNDARY OF T. 25 S., R. 7 W.

From the standard SW. cor. of T.25 S., R.7 W.

North, on retrace ment line along W. bdy. sec. 31

41.47 Fall 3.38 chs. E. of the $\frac{1}{2}$ sec. cor. hereinafter
described.

The bearing of this $\frac{1}{2}$ mile is therefore N. $4^{\circ} 40'W$.
and the distance is 41.61 chs.

From point 3.38 chs. E. of $\frac{1}{2}$ sec. cor., continue

North

81.80 Fall 3.32 chs. E. of the cor. of secs. 30 and 31 here-
inafter described.

The bearing of this $\frac{1}{2}$ mile is N. $0^{\circ}05'E$., and the distance
is 40.33 chs.

From the cor. of secs. 30 and 31.

North, on retrace ment line along W. bdy. of sec. 30.

40.38 Fall 14 lks. W. of the $\frac{1}{2}$ sec. cor. hereinafter
described.

The bearing of this $\frac{1}{2}$ mile is N. $0^{\circ}12'E$., and the
distance is 40.38 chs.

From point 14 lks. W. of the $\frac{1}{2}$ sec. cor., continue
North.

80.66 Fall 16 lks. W. of the cor. of secs. 19 and 30 here-
inafter described.

The bearing of this $\frac{1}{2}$ mile is N. $0^{\circ}02'E$., and the
distance is 40.28 chs.

From the cor. of secs. 19 and 30.

North, on retrace ment line along W. bdy. of sec. 19.

RESURVEY OF THE WSET BOUNDARY OF T.25 S., R.7 W.

CHAINS	
40.54	Fall 9 lks. E. of the $\frac{1}{2}$ sec. cor. hereinafter described. The bearing of this $\frac{1}{2}$ mile is N.0° 08' W., and the distance is 40.54 chs. From point 9 lks. E. of $\frac{1}{2}$ sec. cor., continue North.
80.74	Intersect the cor. of secs. 18 and 19 hereinafter described. The bearing of this $\frac{1}{2}$ mile is N.0°08' E., and the distance is 40.20 chs.
	From the cor. of secs. 18 and 19.
40.00	North, on retracement line along W. bdy. of sec. 18. No trace of the $\frac{1}{2}$ sec. cor. can be found.
80.52	Fall 6 lks. E. of the cor. of secs. 7 and 18 hereinafter described. The bearing of this mile is N.0°02'W., and the distance is 80.52 chs.
	From the cor. of secs. 7 and 18.
40.00	North, on retracement line along W. bdy. of sec. 7. No trace of the $\frac{1}{2}$ sec. cor. can be found.
80.53	Fall 15 lks. W. of the cor. of secs. 6 and 7 hereinafter described. The bearing of this mile is N.0°06'E., and the distance is 80.53 chs.
	From the cor. of secs. 6 and 7.
40.27	North, on retracement line along W. bdy. sec. 6. Fall 4 lks. E. of the $\frac{1}{2}$ sec. cor. hereinafter described. The bearing of this $\frac{1}{2}$ mile is N.0°03'W., and the distance is 40.27 chs. From point 4 lks. E. of $\frac{1}{2}$ sec. cor., continue North.
74.21	Fall 1 lk. E. of the closing cor. of Tps. 24 and 25 S., R.7 W. hereinafter described. The bearing of this $\frac{1}{2}$ mile is N.0°03'E., and the

RESURVEY OF THE WEST BOUNDARY OF T. 25 S., R. 7 W.

CHAINS	distance is 33.94 chs.
--------	------------------------

This range line being defective in alignment and measurement, I begin at the standard SW. cor. of T.25 S.,R.7 W. and resurvey same setting $\frac{1}{2}$ sec. and sec. cors. at intervals of 40.00 chs. for R.7 W. and destroy marks on old stone corners but leave same standing for angle points.

From the standard SW. cor. of T.25 S.,R.7 W. N. $4^{\circ} 40' W.$, on resurvey line along W. bdy. sec. 31. Over nearly level clay flat through dense undergrowth of shadscale.

- 9.18 The closing cor. of Tps. 25 and 26 S., R.8 W. which is a volcanic rock, 8 x 10 x 4 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears West, 2.26 chs. distant. I destroy all marks on stone and leave same standing, and, at this point, Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground for closing cor. of Tps. 25 and 26 S., R.8 W., with brass cap marked

T25S	R8W
S36	R7W
CC	S31
S1	
T26S	

1919.

- 23.20 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Old road, bears NW. and SE.
- 27.00 Leave flat, bears NE. and SW.; ascend abruptly over lava rock reef.
- 30.80 Top of reef, 50 ft. above base, bears NE. and SW; thence over rolling hills strown with lava rock.
- 34.00 Low ridge, 25 ft. above top of reef, bears NE. and SW.
- 40.14 Northing of 40.00 chs. from standard SW.cor.T.25 S.,R.7 W. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in

RESURVEY OF THE WEST BOUNDARY OF T.25 S., R.7 W.

CHAINS

the ground for $\frac{1}{4}$ sec. cor. W. bdy. sec. 31, T.25 S., R.7 W. with brass cap marked.

4S31

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

41.61

The old $\frac{1}{4}$ sec. cor. which is a lava rock, 8 x 6 x 4 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

I destroy all marks on stone and leave same standing for angle point.

Thence

N. $0^{\circ}05'E.$, with continuous measurement.

80.14

Northing of 80.00 chs. from the standard SW. cor. of T.25 S., R.7 W.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 30 and 31, W. bdy. of T.25 S., R.7 W., with brass cap marked.

T25S

S30

S31

R7W

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.

Land, S. portion mile nearly level clay flat; remainder, rolling hills. General N. exposure and drainage.

Soil, light brown, friable clay on S. portion; shallow brown clay and rocky on northern portion; sub-soil, hard, dry clay and rock.

No timber.

Undergrowth, sagebrush and shadscale.

Good grazing land.

N. $0^{\circ}05'E.$, on resurvey line along W. bdy. sec. 30.

Over rolling hills strewn with lava rock, through dense undergrowth of sagebrush. Gradually ascend.

RESURVEY OF WEST BOUNDARY OF T.25 S., R.7 W.

CHAINS	
1.80	The old cor. of secs. 30 and 31 which is a lava rock, 12 x 10 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general. I destroy all marks on stone and leave same standing for angle point. Thence N.0°12'E., with continuous measurement.
9.99	Intersect the closing cor. of secs. 25 and 36, T.25 S., R.8 W. which is a lava rock, 10 x 6 x 6 ins., lying on the ground, properly marked and witnessed by a few stones around cor.
32.20	Low ridge, bears E. and W.; gradually descend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor. W. bdy. sec. 30, T.25 S., R.7 W., with brass cap marked
	S30 1919
	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor.
40.50	Head of shallow draw, drains N.80°W.; ascend S. face small lava rock reef.
42.18	The old $\frac{1}{2}$ sec. cor. which is a lava rock, 12 x 10 x 8 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general. I destroy all marks on stone and leave same standing for angle point.
	Thence N.0°02'E., with continuous measurement.
43.40	Top of S. brink of reef, bears NE. and SW.; gradually ascend.
53.20	Low ridge, 50 ft. above draw, bears NE. and SW.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 19 and 30, W. bdy. of T.25 S., R.7 W., with brass cap marked

RESURVEY OF THE WEST BOUNDARY OF T.25 S., R.7 W.

CHAINS		T25S S19
		S30 R7W
		1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.	
	Land, rolling hills; general N. exposure and drainage.	
	Soil, shallow brown loam and rocky of volcanic formation sub-soil, hard, dry, friable clay and rock. Surface strewn with large lava rock.	
	No timber.	
	Undergrowth, sagebrush.	
	Good grazing land.	
	<hr/>	
	N. $0^{\circ}02' E.$, on resurvey line along W. bdy. of sec. 19	
	Over rolling hills through dense undergrowth of sagebrush	
	Descend NE. slope strewn with lava rock.	
2.46	The old cor. of secs. 19 and 30 which is a lava rock, 6 x 8 x 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.	
	I destroy all marks on stone and leave same standing for angle point.	
	Thence /	
	N. $0^{\circ}08' W.$, with continuous measurement.	
10.82	The closing cor. of secs. 24 and 25, T.25 S., R.8 W. which is a lava rock, 10 x 8 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.	
11.40	Base of hills, bears E. and W.; enter wide draw, drains W.	
17.50	A series of small washes from the E., drains W. about 5 chs. to a reservoir.	
37.75	Cove Creek Wash, 15 lks. wide, 3 ft. deep, drains SW.	
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor. W. bdy. sec. 19, T.25 S., R.7 W., with brass cap marked	

23

RESURVEY OF THE WEST BOUNDARY OF T.25 S., R.7 W.

CHAINS		<u>$\frac{1}{4}$S19</u>
		1919
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.	
40.06	Old road, bears NE. and SW.	
43.00	The old $\frac{1}{4}$ sec. cor. which is a lava rock, 16 x 10 x 8 ins., lying on the ground and properly marked. No accessories. I destroy marks on stone and reset same 12 ins. in the ground for angle point.	
	Thence	
	N. $0^{\circ}08' E.$, with continuous measurement.	
43.50	Leave draw, bears NE. and SW.; ascend.	
49.50	Enter scrub cedar and pinon timber, bears NE. and SW.	
52.50	Top of ascent on N. side draw, bears NE. and SW.; thence over rolling ground.	
74.15	Main road, Cove Fort to Blackrock, Utah, bears NE. and SW.	
75.65	Wood road, bears NW. and SE.	
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 18 and 19, W. bdy. of c T.25 S., R.7 W., with brass cap marked.	
	<u>T25S</u> <u>S18</u>	
	<u>S19</u> <u>R7W</u>	
	1919	
	From which	
	A cedar, 10 ins. diam., bears N. $23^{\circ} E.$, 13 lks.	
	dist., marked T. 25 S R. 7 W, S 18 B T	
	A cedar, 10 ins. diam., bears S. $34\frac{1}{2}^{\circ} E.$, 70 lks.	
	dist., marked T. 25 S R. 7 W, S 19 B T	
	Land, rolling hills and benches, N. and S. exposure and drainage to Cove Creek Wash; general drainage W.	
	Soil, light brown friable clay and rock of volcanic formation; sub-soil, hard, dry, friable clay and rock.	
	Timber, scrub cedar and pinon on northern portion of mile.	
	Undergrowth, sagebrush and shadscale.	
	Good grazing land.	

RESURVEY OF THE WEST BOUNDARY OF T. 25 S., R. 7 W.

CHAINS	
	N. 0° 08' E., on resurvey line along W. bdy. of sec. 18. Over rolling bench land through dense cedar and pinon timber and undergrowth of sagebrush.
3.20	The old cor. of secs. 18 and 19 which is a lava rock, 10 x 10 x 10 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general. I deface marks on stone and bearing trees and leave same standing for angle point. Thence
	N. 0° 02' W., with continuous measurement.
11.20	The closing cor. of secs. 13 and 24, E. bdy. T. 25 S., R. 8 W. which is a limestone, 10 x 10 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
28.20	Shallow wash and draw, 10 lks. wide, 1 ft. deep, drains SW.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. W. bdy. sec. 18, T. 25 S., R. 7 W., with brass cap marked
	$\frac{1}{4}$ S18 1919
	From which
	A cedar, 8 ins. diam., bears N. 23° E., 9 lks. dist., marked $\frac{1}{4}$ S 18 B T
	A cedar, 8 ins. diam., bears S. 70° E., 116 lks. dist., marked $\frac{1}{4}$ S 18 B T
43.20	I again make search for the old $\frac{1}{4}$ sec. cor. but fail to find any trace of same.
45.00	Leave dense and enter scattering timber, bears E. and W.
50.20	Bottom of shallow draw and series of small washes, drains W.
55.50	Low point, projects W.
55.50	Shallow draw, drains SW.; gradually ascend.
60.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins.

RESURVEY OF THE WEST BOUNDARY OF T.25 S., R.7 W.

CHAINS	<p>in the ground for cor. of secs. 7 and 18, W. bdy. of T.25 S., R.7 W., with brass cap marked</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>T25S</td></tr> <tr><td>S7</td></tr> <tr><td> </td></tr> <tr><td>S18</td></tr> <tr><td>R7W</td></tr> </table> <p>1919</p>	T25S	S7		S18	R7W
T25S						
S7						
S18						
R7W						
	<p>From which</p> <p>A cedar, 8 ins. diam., bears N.$37^{\circ}30'$E., 410 lks. dist., marked T 25 S R 7 W S 7 B T</p> <p>A cedar, 8 ins. diam., bears S.$14^{\circ}30'$E., 140 lks. dist., marked T 25 S R 7 W S 18 B T</p> <p>Land, rolling bench; general S. exposure and drainage. Soil, shallow brown loam, gravelly and rocky of volcanic formation; sub-soil, hard, dry clay and rock. Timber, scrub cedar and pinon. Undergrowth, sagebrush. Good grazing land.</p>					
	<p>N.$0^{\circ}02'W.$, on resurvey line along W. bdy. sec. 7. Over rolling bench land through scattering scrub cedar and pinon timber and undergrowth of sagebrush.</p>					
3.72	<p>The old cor. of secs. 7 and 18 which is a quartz stone, 8 x 6 x 8 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general. I destroy all marks on stone and leave same standing for angle point.</p> <p>Thence</p> <p>N.$0^{\circ}06'E.$, with continuous measurement</p>					
11.87	<p>The closing cor. of secs. 12 and 13, E. bdy. T.25 S., R.8 W., which is a flint stone, 6 x 10 x 4 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.</p>					
40.00	<p>Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor. W. bdy. sec. 7, T.25 S., R.7 W., with brass cap marked</p> <p style="text-align: right;">ds7</p> <p>1919</p>					

RESURVEY OF THE WEST BOUNDARY OF T.25 S., R.7 W.

CHAINS	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. distant. No suitable bearing trees are available.
42.15	Shallow draw, drains SW.
43.72	I again make search for old $\frac{1}{2}$ sec. cor. but fail to find any trace of same.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 6 and 7, W. bdy. of T.25 S., R. 7 W., with brass cap marked
	T25S. S6 <hr/> S7 R7W 1920
	From which
	A cedar, 14 ins. diam., bears N. $19\frac{1}{2}$ E., 50 lks. dist., marked T 25 S R 7 W S 6 B T
	A cedar, 16 ins. diam., bears S. $59\frac{1}{2}$ E., 55 lks. dist., marked T 25 S R 7 W S 7 B T
	Land, rolling; general S. exposure and drainage.
	Soil, brown sandy clay loam, gravelly and rocky; subsoil, hard, dry clay and rock. Volcanic formation.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, sagebrush.
	Good grazing land.
	N. $0^{\circ}06'$ E., on resurvey line along W. bdy. sec. 6, Over rolling land through dense cedar and pinon timber and undergrowth of sagebrush.
4.25	The old cor. of secs. 6 and 7 which is a volcanic stone, 8 x 8 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general. I destroy all marks on stone and leave same standing for angle point.
	Thence
	N. $0^{\circ}03'$ W., with continuous measurement.
12.26	The closing cor. of secs. 1 and 12, E. bdy. of T.25 S., R.8 W., which is a lava rock, 10 x 10 x 8 ins. above

RESURVEY OF THE NORTH BOUNDARY OF T.25 S.,R.7 W.

CHAINS	ground, firmly set, and marked and witnessed as described by the surveyor general.
20.55	Leave dense and enter scattering timber, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. W. bdy. sec. 6, T.25 S., R.7 W., with brass cap marked
	$\frac{1}{2}S6$
	1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
	No suitable bearing trees are available.
44.52	The old $\frac{1}{4}$ sec. cor. which is a hard sandstone, 4 x 10 x 4 ins., above ground firmly set and properly marked. I destroy all marks on stone and leave same standing for angle point.
	Thence N.0°03' E., with continuous measurement.
78.46	The closing cor. of Tps. 24 and 25 S.,R.7 W. which is an iron post, 3 ins. in dia., extending 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general. Land, rolling; general S. exposure and drainage. Soil, brown clay loam, streaked with rock; sub soil, hard, dry clay and rock. Timber, scattering scrub cedar and pinon on N.57.91 chs. dense on balance of mile. Undergrowth, sagebrush. Good grazing land.

RESURVEY OF THE NORTH BOUNDARY OF T. 25 S.,R.7 W.

The north boundary of T.25 S.,R.7 W. was surveyed by me in 1917 and at that time regular sec. corners were set for 4 secs. and the $\frac{1}{4}$ sec. cors. for the 4 quarters of the two secs. In subdividing T.25 S., R.7 W. I find that the subdivisional lines of the north tier of sections will not close within limits at the corners

RESURVEY OF THE NORTH BOUNDARY OF T.25 S., R.7 W.

CHAINS	
	originally set on the boundary, I therefore resurvey the same, setting another set of corners for T.25 S.; there being no change in the alinement or topography of the line as originally surveyed.
	I begin at the cor. of secs. 1,2,35 and 36 on the N. bdy. of T.25 S., R.7 W. which is an iron post, 2 ins. in dia., extending 12 ins. above ground, firmly set and marked and witnessed as described by the surveyor general.
	Thence West, on resurvey line along N. bdy. sec. 2.
40.00	The $\frac{1}{2}$ sec. cor. for secs. 2 and 35 which is an iron post, 1 in. in dia., extending 10 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	I destroy all marks on post pertaining to sec. 2, also deface S. bearing tree.
44.15	Easting of 40.00 chs. from intersection of line bet. secs. 2 and 3, T.25 S., R.7 W. with the tp. bdy. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. N. bdy. sec. 2, with brass cap marked
	$\frac{1}{4}$ S2 1919
	From which
	A cedar, 12 ins. diam., bears S.39°E., 70 lks. dist., marked $\frac{1}{4}$ S 2 B T
	A cedar, 6 ins. diam., bears S.19 $\frac{1}{2}$ °W., 62 lks. dist., marked $\frac{1}{4}$ S 2 B T
80.00	The cor. of secs. 2,3,34 and 35 which is an iron post, 2 ins. in dia., extending 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	I destroy all marks on this cor. pertaining to T.25 S.
84.15	Intersection with line bet. secs. 2 and 3, T.25 S., R.7 W. Set an iron post, 3 ft. long, 2 ins. in dia., 20 ins.

RESURVEY OF THE NORTH BOUNDARY OF T.25 S., R.7 W.

CHAINS

in the ground on solid rock and 4 ins. in a mound of stone for cor. of secs. 2 and 3, T.25 S., R.7 W., with brass cap marked

S3 | S2
T25S | R7W

1919

from which

A pinon, 12 ins. diam., bears S.61°40'E., 62 lks.

dist., marked T 25 S R 7 W S 2 B T

A pinon, 8 ins. diam., bears S.44 $\frac{1}{2}$ °W., 77 lks.

dist., marked T 25 S R 7 W S 3 B T

West, along N. bdy. sec. 3.

35.85 The $\frac{1}{2}$ sec. cor. bet. secs. 3 and 34 which is an iron post, 1 in. in dia., firmly set in ground and mound of stone, marked and witnessed as described by the surveyor general.

I destroy all marks on cor. that pertain to sec. 3.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground on solid rock and 10 ins. in a mound of stone for $\frac{1}{2}$ sec. cor. N. bdy. sec. 3, with brass cap marked

S3

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

No suitable bearing trees are available.

75.85 The cor. of secs. 3, 4, 33 and 34 which is an iron post, 2 ins. in dia., extending 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

I destroy all marks on this cor. that pertain to T.25 S. and also deface bearing trees.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 3 and 4, T.25 S., R.7 W., with brass cap marked

RESURVEY OF THE NORTH BOUNDARY OF T.25 S., R.7 W.

CHAINS

S4	S3
T25S	R7W
1919	

from which

A cedar, 5 ins. diam., bears S.70°10'E., 183 lks.

dist., marked T 25 S R 7 W S 3 B T

A cedar, 8 ins. diam., bears S.61°10'W., 2.47 lks.

dist., marked T 25 S R 7 W S 4 B T

West, on resurvey line along N. bdy. sec. 4

35.85 The $\frac{1}{2}$ sec. cor. bet. secs. 4 and 33 which is an iron post, 1 in. in dia., extending 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

I destroy all marks on cor. pertaining to sec. 4 and also deface SE. bearing tree.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. N. bdy. sec. 4, with brass cap marked

$\frac{1}{4}$	S4
1919	

from which

A cedar, 5 ins. diam., bears S.76 $\frac{1}{2}$ E., 587 lks.dist., marked $\frac{1}{2}$ S 4 B T

No other suitable trees available.

75.85 The cor. of secs. 4; 5, 32 and 33 which is an iron post, 2 ins. in dia., extending 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

I destroy all marks on cor. that pertain to T.25 S. and also deface S. bearing trees.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 4 and 5, T.25 S., R.7 W., with brass cap marked

S5	S4
T25S	R7W

1920

RESURVEY OF THE NORTH BOUNDARY OF T.25 S., R.7 W.

CHAINS

from which

A cedar, 10 ins. diam., bears S.75° E., 113 lks.

dist., marked T 25 S R 7 W S 4 B T

A cedar, 10 ins. diam., bears S.54 $\frac{1}{2}$ ° W., 82 lks:

dist., marked T 25 S R 7 W S 5 B T

West, on resurvey along N. bdy. sec. 5.

35.85 The $\frac{1}{4}$ sec. cor. bet. secs. 5 and 32 which is an iron post, 1 in. in dia., extending 10 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

I destroy all marks on post that pertain to sec. 5 and also deface S. bearing tree.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. N. bdy. sec. 5, with brass cap marked

S5
1920

from which

A cedar, 6 ins. diam., bears S.33° W., 250 lks.

dist., marked $\frac{1}{4}$ S 5 B T

No other suitable trees available.

75.85 The cor. of secs. 5, 6, 31 and 32 which is an iron post, 2 ins. in dia., extending 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

I destroy all marks on cor. that pertain to T.25 S. and also deface S. bearing tree s.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 5 and 6, T.25 S., R.7 W., with brass cap marked

S6	S5
T25S	R7W

1920

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.

RESURVEY OF SUBDIVISION OF T.25 S., R. 7 W.

CHAINS	
	No suitable trees available.
35.85	West, on resurvey line along N. bdy. sec. 6 The $\frac{1}{4}$ sec. cor. bet. secs. 6 and 31 which is an iron post, 1 in. in dia., extending 10 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general. I destroy all marks on cor. that pertain to sec. 6 and also deface S. bearing tree.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. N. bdy. sec. 6, T.25 S., R.7 W., with brass cap marked
	$\frac{1}{4}$ S6 1920
	from which
	A cedar, 14 ins. diam., bears S.30° E., 24 lks. dist., marked $\frac{1}{4}$ S 6 B T
	A cedar, 6 ins. diam., bears S.5° W., 16 lks. dist., marked $\frac{1}{4}$ S 6 B T
82.81	The closing cor. of Tps. 24 and 25 S., R.7 W. heretofore described.
	RESURVEY OF SUBDIVISION OF T.25 S., R.7 W.
	From the standard cor. of secs. 1,2,35 and 36 on the S. bdy. of the tp. heretofore described.
	North, on retracement line bet. secs. 35 and 36.
40.00	No trace of the $\frac{1}{4}$ sec. cor. can be found.
81.08	Fall 46 lks. E. of the cor. of secs. 25,26,35 and 36 hereinafter described.
	The bearing of this mile is N.0°19'W. and the proportionate distance for each $\frac{1}{2}$ mile is 40.54 chs.
	Thence from standard cor. of secs. 1,2,35 and 36. N.0°19'W., on resurvey line bet. secs. 35 and 36

RESURVEY OF SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
	Over rolling hills through dense undergrowth of sagebrush.
	Surface strewn with lava rock.
15.20	Low lava rock ridge, bears NE. and SW.; gradually descend.
28.60	Small draw, drains NW.; ascend.
31.60	Lava rock point, projects NW.; descend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. E. bdy. sec. 35, with brass cap marked
	$\frac{1}{4}$ S35
	1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
40.54	Proportionate measurement
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. W. bdy. sec. 36, with brass cap marked
	$\frac{1}{4}$ S36
	1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
46.10	Base of ridge, bears NE. and SW.; gradually descend across draw.
57.05	Bottom of draw and wash, 10 lks. wide, 3 ft. deep, 50 ft. below $\frac{1}{4}$ sec. 36, drains S.70°W.; ascend gradual S. slope of ridge.
60.75	Wood road, bears N.70°E. and S.70°W.
61.10	Enter dense cedar timber, bears E. and W.
79.10	Ridge, 100 ft. above wash, bears E. and W.; descend.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 26 and 35, with brass cap marked
	T25S S26
	S35
	R7W
	1919

from which

RE-SURVEY OF SUBDIVISION OF T.25 S., R.7 W.

	CHAINS	A cedar, 10 ins.diam., bears S. $57\frac{1}{2}$ ^o W., 150 lks. dist., marked T 25 S R 7 W S 35 B T
		A cedar, 12 ins.diam., bears N. $65\frac{1}{2}$ ^o W., 107 lks. dist., marked T 25 S R 7 W S 26 B T
81.08		The old cor. of secs. 25,26,35 and 36 which is a red sandstone, 24 x 10 x 10 ins. lying on the ground and marked and witnessed as described by the surveyor general. I remonument cor. as follows: Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground and stand old cor. alongside for cor. of secs. 25 and 36, with brass cap marked
		T25S S25 — S36 R7W 1919
		from which
		A cedar, 12 ins.diam., bears N. $54\frac{1}{2}$ ^o E., 32 lks. dist., marked T 25 S R 7 W S 25 B T
		A cedar, 10 ins.diam., bears S. $46\frac{1}{2}$ ^o E., 40 lks. dist., marked T 25 S R 7 W S 36 B T
		Note: I destroy the old bearing trees at this cor. that pertain to secs. 26 and 35.
		Land, hilly; general N. exposure and NW. drainage.
		Soil, brown clay loam and rocky volcanic formation.
		Timber, cedar and pinon on northern portion of mile.
		Undergrowth, sagebrush.
		Good grazing land.
40.26		From the cor. of secs. 25 and 36, North, on retracement line bet. secs. 25 and 26 Fall 40 lks. W. of the $\frac{1}{2}$ sec. cor. hereinafter described. The bearing of this $\frac{1}{2}$ mile is N. $0^{\circ}34'$ E. and the distance is 40.26 chs. From $\frac{1}{2}$ sec. cor., continue North
80.46		Fall 16 lks. W. of the cor. of secs. 23,24,25 and 26

RESURVEY OF SUBDIVISION OF T. 25 S., R. 7 W.

CHAINS	
	whereinafter described.
	The bearing of this $\frac{1}{2}$ mile is N. $0^{\circ}14' E.$ and the distance is 40.20 chs.
	Thence from cor. of secs. 25 and 36 N. $0^{\circ}34' E.$, on resurvey line bet. secs. 25 and 26
	Over hilly land through dense cedar and pinon timber and undergrowth of sagebrush. Descend N. slope of ridge.
10.25	Base of ridge and leave timber, 100 ft. below sec. cor. bears E. and W. Thence over rolling valley.
15.70	Wood road, bears NE. and SW.
38.92	Northing of 40.00 chs. from the cor. of secs. 26 and 35. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. E. bdy. sec. 26, with brass cap marked
	$\frac{1}{4}S26$
	1919
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. distant.
40.26	The old $\frac{1}{2}$ sec. cor. which is a red sandstone, 10 x 10 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground alongside old cor. for $\frac{1}{4}$ sec. cor. W. bdy. sec. 25, with brass cap marked
	$\frac{1}{4}S25$
	1919
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. distant.
	Thence N. $0^{\circ}14' E.$, with continuous measurement.
48.16	Road, Cove Fort to Blackrock, Utah, bears W., and E. about 5 chs. to junction with Arrowhead Trail.
49.56	Main road (Arrowhead Trail) between Kanosh and Beaver, Utah bears NW. and SE.

RESURVEY OF SUBDIVISION OF T.25 S., R.7 W.

CHAINS

- 59.06. Wire fence, bears E., W.. about 2 chs. to SW. cor. of same, thence N. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 23 and 26, with brass cap marked
- | | |
|------|--|
| T25S | |
| S23 | |
| S26 | |
| R7W | |
- 1919
- from which
- A cedar, 12 ins. diam., bears S. $77\frac{1}{2}$ °W., 149 lks. dist., marked T 25 S R 7 W S 26 B T
- A cedar, 14 ins. diam., bears N. $42\frac{1}{2}$ °W., 123 lks. dist., marked T 25 S R 7 W S 23 B T
- 79.05 Wire fence, bears E., W. about 2 chs. to NW. cor. of same, thence S. Enter cedar and pinon timber, bears E. and W.
- 80.46 The old cor. of secs. 23, 24, 25 and 26 which is a red sandstone, 10 x 10 x 8 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
- I remonument old cor. as follows:
- Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground alongside old cor. for cor. of secs. 24 and 25, with brass cap marked
- | | |
|------|--|
| T25S | |
| S24 | |
| S25 | |
| R7W | |
- 1919
- from which
- A cedar, 10 ins. diam., bears N. $36\frac{1}{2}$ °E., 112 lks. dist., marked T 25 S R 7 W S 24 B T
- A cedar, 12 ins. diam., bears S. $8\frac{3}{4}$ °E., 26 lks. dist., marked T 25 S R 7 W S 25 B T
- Land, S. portion of mile hilly; remainder rolling valley, general SW. exposure and drainage.

RE SURVEY OF SUBDIVISION OF T.25 S., R.7 W.

CHAINS	Soil, brown clay loam, gravelly and streaked with rock of volcanic formation; sub soil, hard, dry clay and rock.
	Timber, cedar and pinon on northern portion and S.10.25 chs. of mile.
	Undergrowth, dense sagebrush.
	Good grazing land.
	From the cor. of secs. 24 and 25 N.89°54'E., on retracement line bet. secs. 24 and 25.
40.16	No trace of the $\frac{1}{4}$ sec. cor. can be found.
81.00	Fall 19 lks. N. of the cor. of secs. 19,24,25 and 30 on the E. bdy. of the tp. heretofore described.
	The bearing of this line is therefore N.89°58'W. and the proportionate distance for each $\frac{1}{2}$ mile is 40.50 chs.
	Thence from cor. of secs. 19,24,25 and 30 N.89°58'W., on resurvey line bet. secs. 24 and 25.
	Over rolling foothills, through dense undergrowth of sagebrush. Gradually descend.
1.80	Millard County Telephone line; bears N.20°E. and S.20°W.
4.60	Old road, Kanosh to Beaver, Utah, bears N.20°E. and S.; leave foothills and enter gently rolling valley, bears N.20°E. and S.
21.25	Old road; bears NW. and SE.
22.45	Wire fence, bears S., N. about 3 chs., thence NW.; enter nearly level meadow land.
40.50	Proportionate measurement. Set an iron post, 3 ft. long, 1 in. in dia., .26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked S24 $\frac{1}{4}$ S25 1919
	Cor. falls in meadow and it is impracticable to build accessories to cor.
43.20	Enter cultivated land, bears NW. and SE.
66.20	Leave cultivated land and enter dense sagebrush, bears NE. and SW.

RESURVEY OF SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
68.85	Old fence, bears NE. and SW.; leave valley and enter low rolling foothills. Gradually ascend.
75.00	Enter scrub cedar and pinon timber, bears NE. and SW.
81.00	The cor. of secs. 24 and 25. Land, low rolling foothills and nearly level valley; general S. exposure and drainage. Soil, brown clay loam; sub-soil, hard, dry clay and gravel.
	Timber, cedar and pinon on western portion of mile.
	Undergrowth, sagebrush.
	Good grazing and farming land.
	From the cor. of secs. 1, 2, 11 and 12 which is a sandstone 8 x 8 x 6 ins., lying on top of ground, properly marked and witnessed by a few stones around cor. East, on retracement line bet. secs. 1 and 12.
39.93	Fall 35 lks. S. of the $\frac{1}{4}$ sec. cor. hereinafter described. The bearing of this $\frac{1}{2}$ mile is E.89°30'W., and the distance is 39.93 chs.
	From $\frac{1}{4}$ sec. cor., continue East.
40.23	Fall 57 lks. N. of the cor. of secs. 1, 6, 7 and 12 on the E. bdy. of the tp. heretofore described. The bearing of this $\frac{1}{2}$ mile is N.89°11'W., and the distance is 40.23 chs.
	Thence from cor. of secs. 1, 6, 7 and 12 on the E. bdy. of the tp. N.89°11'W., on resurvey line bet. secs. 1 and 12.
	Over rolling foothills at S. end of Dog Valley, through dense undergrowth of sagebrush and a few scattering scrub cedar and pinon trees. Gradually descend.
14.00	Shallow draw, drains N.; ascend.
23.10	Spur, 50 ft. above draw, projects N; gradually descend.
28.50	Wash, 10 lks. wide, 2 ft. deep, 60 ft. below spur, drains N.

V.I., N.D. T.D. MOUNTAIN TO VERT. SURVEY
RESURVEY OF SUBDIVISION OF T25 S., R.7 W.

CHAINS	
40.23	<p>old cor. which is a granite stone, 12 x 8 x 6 ins. lying on ground and marked $\frac{1}{4}$ on upper face. No accessories to cor.</p> <p>I remonument cor. as follows:</p> <p>Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground and bury old cor. alongside for $\frac{1}{4}$ sec. cor.</p> <p>S. bdy. sec. 1, with brass cap marked $\frac{1}{4}S1$</p> <p>Surveyed to old cor. and set new cor. 1919</p> <p>Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p> <p>Cor. stands at SE. cor. of fence bearing N. and W.</p> <p>Thence S.$89^{\circ}30'W.$, with continuous measurement.</p>
42.90	<p>Easting of 40.00 chs. from the cor. of secs. 11 and 12.</p> <p>Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. N. bdy. sec. 12, with brass cap marked $\frac{1}{4}S12$</p> <p>Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.</p>
47.70	Old road, bears N. and S.
50.40	Wash, 10 lks. wide, 3 ft. deep, drains N.
59.00	Spur, 25 ft. above $\frac{1}{4}$ sec. cor. foresec. 12, projects N. about 4 chs.; gradually descend W. slope.
61.60	Wash, 15 lks. wide, 4 ft. deep, 15 ft. below spur, drains N. or S. and bottom is dry rubble
75.50	Wash, 10 lks. wide, 3 ft. deep, drains NE.
80.00	Main road (Arrowhead Trail) between Kanosh and Beaver, east of Utah, bears N. $20^{\circ}E.$ and S. $20^{\circ}W.$
80.16	The cor. of secs. 1, 2, 11 and 12. This cor. was later found to refer to the SW. cor. of sec. 1 only and I therefore remonument same as follows:
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in

RESURVEY OF SUBDIVISION OF T. 25 S., R. 7 W.

CHAINS

in the ground and bury old stone cor. alongside for the SW. cor. of sec. 1, with brass cap marked

T25S
R7W
S1

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, NE. of cor.

Land, rolling foothills; general N. exposure and drainage

Soil, brown clay loam, gravelly and rocky of volcanic formation; sub-soil, hard, dry, light brown clay and rock.

Timber, a few scattering scrub cedar and pinon.

Undergrowth, sagebrush.

Good grazing land.

From the SW. cor. of sec. 1.

N. $0^{\circ}50'$ E., (computed course) on retracement line bet. secs. 1 and 2

40.00 No trace of the old $\frac{1}{4}$ sec. cor. can be found.

80.17 Fall 12 lks. W. of the cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the tp. heretofore described.

The bearing of this mile is N. $0^{\circ}55'$ E. and the proportionate distance for each $\frac{1}{2}$ mile is 40.06 and 40.11 chs. respectively.

Thence .

From the SW. cor. of sec. 1 N. $0^{\circ}55'$ E., on resurvey line bet. secs. 1 and 2.

Over rolling foothills, through very scattering scrub cedar and pinon timber and undergrowth of sagebrush.

1.23 A northing of 80.00 chs. from the cor. of secs. 11 and 14. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 2 and 12, with brass cap marked

T25SR7W

S2

S12

1919

RESURVEY OF SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
5.00	Low spur, about 25 ft. high, projects E.; gradually descend.
22.70	Wash, 10 lks. wide, 2 ft. deep, 35 ft. below spur, drains E.; gradually ascend.
24.20	Wood road, bears E. and W.
28.50	Wash, 15 lks. wide, 5 ft. deep, drains E.; leave hills and enter mountainous land, bears E. and SW.; ascend S. slope.
40.06	Proportionate measurement. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor, W. bdy. sec. 1, with brass cap marked | <u>1/4S1</u> | 1919 |
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
	No suitable bearing trees are available.
	Cor. stands on S. slope 65 ft. above wash.
41.23	Northing of 40.00 chs. from the cor. of secs. 2 and 12. Set an iron post, 3 ft. long, 1 ins. in dia., 26 ins. in a large mound of stone on solid rock for $\frac{1}{4}$ sec. cor. E. bdy. sec. 2, with brass cap marked | <u>1/4S2</u> | 1919 |
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No suitable bearing trees are available.
48.60	Enter dense cedar and pinon timber, bears E. and W.
54.60	Ridge, 160 ft. above wash, bears W., E. about 5 chs., thence N.; descend.
56.80	Head of draw, 20 ft. below ridge, drains NW.; ascend.
72.20	Spur, 130 ft. above draw, projects SW.; gradually descend.
80.17	The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	<p>Land, rolling hills on S. portion and mountainous on N. portion of mile; general eastern exposure and drainage.</p> <p>Soil, shallow red and brown clay loams, gravelly and rocky of limestone and volcanic formation; sub-soil, hard, dry clay and rock.</p> <p>Timber, cedar and pinon.</p> <p>Undergrowth, sagebrush and juniper.</p> <p>Fair grazing land.</p>
--------	---

SUBDIVISION OF T.25 S., R.7 W.

	From the cor. of secs. 24 and 25 heretofore described.
	North, on temp. line along W. bdy. sec. 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Set temp. cor. of secs. 13 and 24.
	From temp. cor. of secs. 13 and 24.
	East, on temp. line bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
81.49	Intersect E. bdy. of the tp. 69 lks. S. of the cor. of secs. 13, 18, 19 and 24 heretofore described.
	Thence
	From cor. of secs. 24 and 25.
	North, on true line along W. bdy. sec. 24.
	Over rolling mountainous land through dense cedar and pinon timber and undergrowth of sagebrush. Gradually ascend eastern slope of ridge.
21.80	Leave dense and enter very scattering timber, bears E. and W.
23.50	Ridge, 85 ft. above sec. cor., bears N. 70° E. and S. 70° W.; gradually descend N. slope.
33.30	Draw, 40 ft. below ridge, drains SW.; gradually ascend.
38.46	Northing of 40.00 chs. from the cor. of secs. 23 and 26. Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a large mound of stone for $\frac{1}{4}$ sec. cor. E. bdy. sec. 23, with brass cap marked

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

S23

1919

No trees are available for bearing trees and I am unable to dig pits or secure stone for mound.

40.00

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for sec. cor. W. bdy. sec. 24, with brass cap marked

S24

1919

Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. distant.

47.60

Old road, bears NE. and SW.

49.80

Enter dense timber, bears NE. and SW.; gradually ascend eastern slope.

78.46

Northing of 80.00 chs. from cor. of secs. 23 and 26.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 14 and 23, with brass cap marked

T25S

S14

S23

R7W

1919

from which

A cedar, 20 ins. diam., bears S.33°W., 44 lks.
dist., marked T 25 S R 7 W S 23 B T

A cedar, 18 ins. diam., bears N.67°W., 17 lks.
dist., marked T 25 S R 7 W S 14 B T

80.69

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 13 and 24, with brass cap marked

T25S

S13

S24

R7W

1919

from which

A cedar, 14 ins. diam., bears N.56°E., 105 lks.

RESURVEY OF SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
	dist., marked T 25 S R 7 W S 13 B T A cedar, 12 ins. diam., bears S. 25° 10' E., 68 lks. dist., marked T 25 S R 7 W S 24 B T Land, rolling mountainous; general E. exposure and drainage. Soil, shallow brown loam, gravelly and rocky of volcanic formation; subsoil, hard, dry clay and rock. Timber, cedar and pinon. Undergrowth, sagebrush and scattering juniper. Good grazing land.
	From the cor. of secs. 13, 18, 19 and 24 on the E. bdy. of the tp. heretofore described. West, on true line bet. secs. 13 and 24. Over rolling mountainous land through scattering cedar and pinon timber and undergrowth of sagebrush. Grad- ually ascend.
7.80	Spur, 50 ft. above sec. cor., projects S.; descend.
13.00	Draw, 45 ft. below spur, drains SE.; ascend.
17.70	Enter dense timber, bears N. and S.
18.10	Spur, 50 ft. above draw, projects SE.; descend.
19.10	Shallow draw, drains SE.; ascend.
24.90	Ridge, 105 ft. above draw, bears N., S. about 10 chs., thence SW.; descend abruptly W. slope. Leave dense timbe
33.40	Draw, 65 ft. below ridge, drains S.; gradually ascend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground on solid rock and 8 ins. in a mound of stone for $\frac{1}{2}$ sec. cor. N. bdy. sec. 24, with brass cap marked
	$\frac{1}{2}$ S24 1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. No suitable trees are available.
41.49	Easting of 40.00 chs. from the cor. of secs. 13 and 24. Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground on solid rock and 8 ins. in a mound of stone

SUBDIVISION OF T.25 S., R.7 W.

47

518

CHAINS

for $\frac{1}{4}$ sec. cor. S. bdy. sec. 13, with brass cap marked

 $\frac{1}{4}$ S13

1919

from which

A cedar, 12 ins. diam., bears N. 65° E., 185 lks.dist., marked $\frac{1}{4}$ S 13 B TA cedar, 20 ins. diam., bears N. 15° W., 60 lks.dist., marked $\frac{1}{4}$ S 13 B T

47.50 Rocky spur, 65 ft. above draw, projects S.; descend abruptly W. slope.

53.90 Draw, 130 ft. below spur, drains S.; gradually ascend.

56.30 Old road, bears NW. and SE.

81.49 The cor. of secs. 13 and 24.

Land, mountainous, broken by numerous small spurs and draws; general S. exposure and drainage.

Soil, shallow brown clay loam, gravelly and rocky of volcanic formation; sub-soil, hard, dry, light brown friable clay and rock.

Timber, cedar and pinon.

Undergrowth, sagebrush and scattering juniper.

Good grazing land.

From the cor. of secs. 13 and 24.

North, along W. bdy. sec. 13.

Over mountainous land through dense cedar and pinon timber and undergrowth of sagebrush. Ascend eastern slope of ridge.

17.20 Ridge, 180 ft. above cor., bears NE. and SW.; descend abruptly N. slope.

18.70 Leave dense timber, bears E. and W.

30.00 Head of draw, 120 ft. below ridge, drains SW.; ascend.

35.00 Enter dense timber, bears E. and W.

37.77 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for $\frac{1}{4}$ sec. cor. E. bdy. sec. 14, with brass cap marked

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
	#S14
	1919
	from which
	A cedar, 12 ins.diam., bears S. $41\frac{1}{2}$ °W., 104 lks. dist., marked $\frac{1}{2}$ S 14 B T
	A cedar, 10 ins.diam., bears N. $89^{\circ}20'W.$, 100 lks. dist., marked $\frac{1}{2}$ S 14 B T
38.70	Ridge divide between Antelope Valley and Dog Valley, bears S. $80^{\circ}E.$ and W.; gradually descend N. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor. W. bdy. sec. 13, with brass cap marked
	#S13
	1919
	from which
	A cedar, 14 ins.diam., bears N. $73^{\circ}10'E.$, 28 lks. dist., marked $\frac{1}{2}$ S 13 B T
	A cedar, 24 ins.diam., bears S. $55\frac{3}{4}$ °E., 52 lks. dist., marked $\frac{1}{2}$ S 13 B T
53.10	Leave dense and enter scattering timber, bears E. and W.
62.20	Foot of mountains and enter Dog Valley, bears E. and W.
74.50	Road, bears NE. and SW.
77.77	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 11 and 14, with brass cap marked
	T25S S11
	S14 R7W
	1919
	from which
	A cedar, 12 ins.diam., bears S. $30\frac{1}{2}$ °W., 105 lks. dist., marked T 25 S R 7 W S 14 B T
	A cedar, 14 ins.diam., bears N. $43\frac{1}{2}$ °W., 313 lks. dist., marked T 25 S R 7 W S 11 B T
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 12 and 13, with brass cap

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

marked

T25S
S12S13
R7W

1919

from which

A cedar, 8 ins. diam., bears N.64°10'E., 232 lks.

dist., marked T 25 S R 7 W S 12 B T

No other trees available.

Land, mountainous; general N. and S. exposure and drainage from divide at 38.70 chs.

Soil, shallow brown loam, gravelly and rocky of volcanic formation; subsoil, hard, dry clay and rock.

Timber, cedar and pinon.

Undergrowth, sagebrush and scattering juniper.

Good grazing land.

East, on a random line bet. secs. 12 and 13.

40.00 Set temp. 1 sec. cor.

82.25 Intersect E. bdy. of the tp. at the cor. of secs. 12 and 13 heretofore described.

Thence

West, on true line bet. secs. 12 and 13.

Over rough mountainous land through dense scrub cedar and pinon timber and undergrowth of sagebrush. Descend abruptly W. slope.

5.75 Draw, 200 ft. below cor., drains N.30°W.; leave dense timber and enter oak brush, bears N.30°W. and S.30°E. Ascend.

8.45 Spur, 60 ft. above draw, projects NW.; descend.

22.25 Draw, 200 ft. below spur, drains N. about 10 chs., thence NW.; gradually ascend E. slope.

31.55 Spur, 60 ft. above draw, projects N.; descend.

34.65 Draw, 60 ft. below spur, drains NW.; ascend.

37.55 Spur, 35 ft. above draw, projects NW.; descend 60 ft. to

42.25 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for 1 sec. cor., with brass cap marked

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

S12
 $\frac{1}{4}$ S13
 1919

from which

A cedar, 16 ins. diam., bears S.28 $\frac{3}{4}$ °W., 93 lks.dist., marked $\frac{1}{4}$ S 13 B TA cedar, 6 ins. diam., bears N.43 $\frac{1}{2}$ °W., 45 lks.dist., marked $\frac{1}{4}$ S 12 B T

48.35	Draw, 55 ft. below $\frac{1}{4}$ sec. cor., drains N.; ascend.
49.45	Spur, 20 ft. above draw, projects N.; descend.
53.65	Leave dense and enter scattering timber, bears N. and S.
57.25	Foot of mountains and enter Dog Valley, bears NE. and SW.
68.15	Old road, bears N.20°E. and S.20°W.
76.65	Old road, bears NE. and SW.
82.25	The cor. of secs. 12 and 13.
	Land, rough mountains on eastern portion and rolling valley on western portion of mile; general N. exposure and drainage.
	Soil, shallow brown clay loam, gravelly and rocky of volcanic formation; sub soil, hard, dry clay and rock.
	Timber, cedar and pinon.
	Undergrowth, sage, oak and juniper brush.
	Good grazing land.

North, along W. bdy. sec. 12.

Over rolling land sloping NE., through scattering cedar and pinon timber and undergrowth of sagebrush.

12.90 Wash, 10 lks. wide, 2 ft. deep, 35 ft. below cor., drains E. about 5 chs., thence NE.

30.00 Leave timber, bears E. and W.

32.40 Wash, 10 lks. wide, 2 ft. deep, drains E.

37.77 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. E. bdy. sec. 11, with brass cap marked $\frac{1}{4}$ S11

1919

Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for cor. sec. 12, with brass cap marked S12 1919 Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. distant.
45.20	Wash, 10 lks. wide, 2 ft. deep, drains NE.
65.80	Fence line, bears NE. and SW.
67.50	Main road(Arrowhead Trail) between Kanosh and Beaver, Utah, bears N.20°E. and S.20°W.
76.40	Wash, 15 lks. wide, 4 ft. deep, drains E.
77.77	Intersect S. bdy. sec. 2, 2.74 chs. S.89°58'W. of the cor. of secs. 2 and 12. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 11 and 12, with brass cap marked S11 | S12 T25S | R7W 1919 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor. Land, rolling valley; general NE. exposure and drainage. Soil, shallow brown clay loam, streaked with gravel and rock; subsoil, hard, dry clay and rock. Timber, scattering cedar and pinon on southern portion of mile. Undergrowth, sagebrush. Good grazing land.
12.90	From the standard cor. of secs. 34 and 35 on the S. bdy. of the tp. heretofore described. North, bet. secs. 34 and 35. Over rolling hills strewn with lava rock, through dense sagebrush undergrowth and scattering scrub cedar and pinon timber. Gradually descend over general N. slope. Enter dense cedar and pinon timber, bears E. and W.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

- 20.20 Leave dense timber, bears E. and W.
 32.30 Enter dense timber, bears E. and W.
 35.00 Leave dense timber, bears E. and W.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
 the ground for $\frac{1}{2}$ sec. cor., with brass cap marked

S34 | S35

1919

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
 cor.
 61.50 Leave timber, bears NE. and SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in
 the ground for cor. of secs. 26, 27, 34 and 35, with
 brass cap marked

T25S | R7W
S27 | S26

S34 | S35

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
 cor.

Land, rolling hills; N. exposure and drainage.

Soil, shallow brown clay and rocky of volcanic formation;
 sub-soil, hard, dry, friable clay and rock.

Timber, scattering patches of cedar and pinon on southern
 portion of mile.

Undergrowth, dense sagebrush.

Good grazing land.

N. $89^{\circ}55' E$ in random line bet. secs. 26 and 35.

- 40.00 Set temp. $\frac{1}{2}$ sec. cor.
 79.62 Intersect N. and S. line 15 lks. S. $0^{\circ}19' E$. of the cor.
 of secs. 26 and 35.

Thence

S. $89^{\circ}53' W$., on true line bet. secs. 26 and 35.

Over hilly land, through dense cedar and pinon timber
 and undergrowth of sagebrush. Gradually descend.

- 10.00 Leave dense and enter scattering timber, bears N. and S.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
12.90	Swale, 80 ft. below sec. cor., drains N.
15.00	Old road, bears N. and S.
28.70	Leave timber, bears N. and S.
29.40	Old road, bears NW. and SE.
36.20	Wash, 10 lks. wide, 4 ft. deep, drains N.
39.81	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked S26 $\frac{1}{4}$ S35 1919 Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
66.20	Wash, 10 lks. wide, 2 ft. deep, drains NW.
79.62	The cor. of secs. 26, 27, 34 and 35. Land, hilly; general N. exposure and drainage. Soil, light brown friable clay streaked with lava rock; subsoil, hard, dry clay and rock. Timber, scrub cedar and pinon on eastern portion of mile. Undergrowth, sagebrush. Good grazing land.
	North, betw. secs. 26 and 27. Over rolling hills, through dense undergrowth of sagebrush.
12.00	Small lava rock spur, 20 ft. above cor., projects N. 70° E.; gradually descend general N. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked S27 $\frac{1}{4}$ S26 1919 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
54.30	Cove Creek Wash, 15 lks. wide, 3 ft. deep, drains NW.
59.60	Old road, bears NW. and SE.
73.70	Road, Cove Fort to Blackrock, Utah, bears E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 22, 23, 26 and 27, with

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

brass cap marked

T25S	R7W
S22	S23
S27	S26

1919

Raise a mound of stone, .2 ft., base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling hills; general N. exposure and NW. drainage. Soil, dark brown clay loam streaked with rock of volcanic formation; sub soil, hard, dry clay and rock. No timber.. Undergrowth, sagebrush. Good grazing land.

N. $89^{\circ}53' E.$, on a random line bet. secs. 23 and 26.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.07 Intersect N. and S. line 5 lks. S. $0^{\circ}14' W.$ of the cor. of secs. 23 and 26. Thence
S. $89^{\circ}51' W.$, on true line bet. secs. 23 and 26. Over rolling hills through dense cedar and pinon timber and undergrowth of sagebrush.
- 1.40 Wire fence, bears N. and S.
- 15.55 Leave dense timber, bears N. and S.
- 21.05 Old road, bears NE. and SW.
- 25.25 Draw, drains S.; gradually ascend.
- 30.25 Low spur, 25 ft. above draw, projects S.; descend.
- 37.00 Main road (Arrowhead Trail) between Kanosh and Beaver, Utah, bears NW. and SE.
- 40.03 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S23	
$\frac{1}{4}$	S26

1919

from which

A cedar, 14 ins. diam., bears N. $79\frac{1}{2}' E.$, 71 lks.dist., marked $\frac{1}{4}$ S 23, B TA cedar, 8 ins. diam., bears S. $53\frac{1}{2}' E.$, 152 lks.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	dist., marked $\frac{1}{2}$ S 26 B T
45.20	Leave timber, bears N. and S.
80.07	The cor. of secs. 22, 23, 26 and 27. Land, rolling hills; S. exposure and drainage. Soil, light brown clay, gravelly and rocky of volcanic formation; sub-soil, hard, dry clay and rock. Timber, cedar and pinon on eastern portion of mile. Undergrowth, sagebrush. Good grazing land.
	N.0°01'W., bet. secs. 22 and 23.
	Gradually ascend over rolling land sloping S., through dense undergrowth of sagebrush.

30.00	Enter scattering cedar timber, bears E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked

$\frac{1}{2}$
S22 | S23
1919

from which

A cedar, 8 ins. diam., bears N.29 $\frac{3}{4}$ E., 474 lks.

dist., marked $\frac{1}{4}$ S 23 B T

A cedar, 8 ins. diam., bears S.88°35'W., 312 lks.

dist., marked $\frac{1}{4}$ S 22 B T

49.80	Enter dense cedar timber, bears E. and W.
68.40	Base of ridge, bears E. and S.; ascend S. slope 100 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 14, 15, 22 and 23, with brass cap marked

T25S	R7W
S15	S14
S22	S23

1919

from which

A cedar, 6 ins. diam., bears N.23 $\frac{3}{4}$ E., 60 lks.

dist., marked T 25 S R 7 W S 14 B T

A cedar, 12 ins. diam., bears S.38 $\frac{1}{4}$ E., 31 lks.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
	dist., marked T 25 S R 7 W S 23 B T A cedar, 7 ins. diam., bears S. $61\frac{1}{2}$ °W., 70 lks.
	dist., marked T 25 S R 7 W S 22 B T A cedar, 6 ins. diam., bears N. $64^{\circ}40'W.$, 43 lks.
	dist., marked T 25 S R 7 W S 15 B T Land, rolling on S. $\frac{1}{2}$ mile, hilly on N. $\frac{1}{2}$ mile; general S. exposure and drainage. Soil, brown clay loam; sub-soil, hard, dry clay and rock. Limestone and volcanic formation.
	Timber, cedar and pinon on N. 50.00 chs. Undergrowth, sagebrush. Good grazing land.
40.00	N. $89^{\circ}51'W.$, on a random line bet. secs. 14 and 23. Set temp. $\frac{1}{2}$ sec. cor.
80.20	Intersect N. and S. line 5 lks. S. of the cor. of secs. 14 and 23. Thence
	S. $89^{\circ}49'W.$, on true line bet. secs. 14 and 23. Over mountainous land through dense cedar and pinon timber and undergrowth of sagebrush. Ascend E. slope.
6.50	Ridge, 100 ft. above cor., bears NE. and SW.; gradually descend.
10.20	Head of draw, 35 ft. below ridge, drains S. $80^{\circ}W.$; ascend along S. slope.
16.50	Top of ascent on S. slope; a low peak bears N. about 5 chs. distant. Gradually descend.
27.30	Draw, 50 ft. below top of ascent, drains NW.; ascend.
31.60	Point of spur, projects N. about 5 chs.; descend.
36.00	Main road (Arrowhead Trail) between Kanosh and Beaver, Utah, bears NE. and SW.; road in draw, drains SW. Gradually ascend.
40.10	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap marked
	S14 $\frac{1}{4}$ S23 1919
	from which

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	A cedar, 10 ins. diam., bears S.29°W., 14 lks. dist., marked $\frac{1}{4}$ S 23 B T
	A cedar, 6 ins. diam., bears N.20 $\frac{1}{2}$ °W., 55 lks. dist., marked $\frac{1}{4}$ S 14 B T
42.20	Low spur, projects S.; descend.
45.20	Draw, 20 ft. below spur; drains SE.; road in draw, bears NW. and SE. Ascend.
48.80	Spur, 75 ft. above draw, projects SW.; descend.
60.00	Draw, 90 ft. below spur, drains SW.; ascend abruptly.
63.80	Spur, 50 ft. above draw, projects S.; descend.
68.20	Draw, 60 ft. below spur, drains S.; gradually ascend.
74.00	Spur, 80 ft. above draw, projects S.; descend 30 ft. to
80.20	The cor. of secs. 14, 15, 22 and 23. Land; mountainous, broken by numerous spurs and draws: general S. exposure and drainage. Soil, shallow brown loam and rocky of volcanic formation; subsoil, hard, dry clay and rock. Timber, cedar and pinon. Undergrowth, sagebrush. Fair grazing land.
	N.0°01'W., bet. secs. 14 and 15. Over rough mountainous land through dense cedar and pinon timber and undergrowth of sagebrush. Ascend S. slope.
8.60	Spur, 100 ft. above cor.; projects SE.; descend abruptly.
15.90	Draw, 75 ft. below spur, drains SE.; gradually ascend.
40.00	On S. slope, 185 ft. above draw. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S15 | S14 1919
	from which
	A cedar, 8 ins. diam., bears N.67 $\frac{1}{2}$ °E., 56 lks. dist., marked $\frac{1}{4}$ S 14 B T
	A cedar, 18 ins. diam., bears N.85°20'W., 30 lks.

SUBDIVISION OF T.25 S., R.7 W.

58

CHAINS	dist., marked $\frac{1}{4}$ S 15 B T
43.10	Ridge, 60 ft. above $\frac{1}{4}$ sec. cor., bears NE. and SW.; gradually descend N. slope.
46.20	Head of draw, 55 ft. below ridge, drains SW.; ascend.
50.90	Spur, 15 ft. above draw, projects SW.; descend N. slope.
75.60	Draw, 225 ft. below spur, drains N. 20° E.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 10, 11, 14 and 15, with brass cap marked
	T25S | R7W S10 | S11 ----- S15 | S14 1919
	from which
	A cedar, 20 ins. diam., bears N. 85 $\frac{1}{2}$ ° E., 284 lks.
	dist., marked T 25 S R 7 W S 11 B T
	A cedar, 8 ins. diam., bears S. 9 $\frac{1}{2}$ ° E., 294 lks.
	dist., marked T 25 S R 7 W S 14 B T
	A cedar, 20 ins. diam., bears S. 4 $\frac{1}{2}$ ° W., 249 lks.
	dist., marked T 25 S R 7 W S 15 B T
	A cedar, 8 ins. diam., bears N. 76 $\frac{1}{4}$ ° W., 20 lks.
	dist., marked T 25 S R 7 W S 10 B T
	Land, mountainous; general S. exposure and drainage.
	Soil, rocky and shallow brown clay loam; subsoil, hard, dry clay and rock. Volcanic formation.
	Timber, cedar and pinon.
	Undergrowth, sagebrush.
	Fair grazing land.
40.00	N. 89° 49' E., on a random line bet. secs. 11 and 14. Set temp. $\frac{1}{2}$ sec. cor.
80.23	Intersect N. and S. line 7 lks. N. of the cor. of secs. 11 and 14.
	Thence
	S. 89° 52' W., on true line bet. secs. 11 and 14.
	Over rolling land through scattering cedar and pinon timber and undergrowth of sagebrush. Gradually ascend..

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
7.25	Leave rolling land and enter rolling mountains, bears N. and S.; ascend abruptly E. slope.
16.75	Spur, 145 ft. above sec. cor., projects NW.; descend.
22.25	Leave scattering and enter dense timber, bears N. and S.
25.15	Draw, 95 ft. below spur, drains NW., about 2 chs., thence NE.; ascend abruptly.
27.25	Spur, 55 ft. above draw, projects NW. about 2 chs.; descend.
30.25	Bottom of draw and wash, 10 lks. wide, 2 ft. deep, 45 ft. below spur, drains NE.; ascend.
30.55	Main road (Arrowhead Trail) between Kanosh and Beaver, Utah, bears N.20°E. and S.20°W.
34.25	Spur, 75 ft. above draw, projects SE. about 2 chs.; descend.
35.55	Draw, 25 ft. below spur, drains SE.; ascend 80 ft. to
40.11½	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked <u>S11</u> <u>S14</u> <u>1919</u> from which came the following trees:
	A cedar, 18 ins. diam., bears N.4°E., 62 lks. dist., marked $\frac{1}{2}$ S 11 B T
	A cedar, 24 ins. diam., bears S.47°E., 45 lks. dist., marked $\frac{1}{2}$ S 14 B T
42.05	Spur, 20 ft. above $\frac{1}{2}$ sec. cor., projects S. about 1 ch.; gradually descend.
45.25	Head of draw, 20 ft. below spur, drains SE.; ascend.
52.65	Ridge divide between Antelope and Dog Valleys, 45 ft. above head of draw, bears N. and S.; gradually descend.
72.55	Draw, 75 ft. below divide, drains NW.; ascend.
74.45	Spur, 10 ft. above draw, projects NW.; descend.
79.20	Draw, 35 ft. below spur, drains NW.; ascend.
80.23	The cor. of secs. 10, 11, 14 and 15. Land, rolling mountains; general N. exposure and N. and W. drainage from ridge divide.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	<p>Soil, shallow brown loam, gravelly and rocky of volcanic formation; subsoil, hard, dry clay and rock.</p> <p>Timber, cedar and pinon.</p> <p>Undergrowth, sagebrush.</p> <p>Good grazing land.</p> <hr/> <p>N. 0°01' W., bet. secs. 10 and 11.</p> <p>Over rolling hills draining NW., through scattering cedar and pinon timber and undergrowth of sagebrush.</p>
3.40	Wash, 10 lks. wide, 1 ft. deep, comes from draw to the SE and drains NW.
16.20	Junction of shallow draws from the NE. and SE., drains W. ascend S. slope.
30.00	Spur, 155 ft. above junction of draws, projects SW. from N. 10° E.; gradually ascend W. slope.
38.50	Top of ascent, begin descent NW. slope.
40.00	On NW. slope.
	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S10 | S11
	1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No suitable trees available.
58.80	Draw, 115 ft. below $\frac{1}{4}$ sec. cor., drains W.; ascend.
65.00	Spur, 80 ft. above draw, projects NW.; descend NE. slope.
74.00	Draw, 40 ft. below spur, drains SW.; gradually ascend.
75.10	Old road, bears NE. and SW.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 2, 3, 10 and 11, with brass cap marked
	T25S | R7W
	S3 | S2
	S10 | S11
	1919

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, hilly; general SW. exposure and drainage.
 Soil, shallow brown loam, gravelly and rocky of limestone and volcanic formation; sub soil, hard, dry clay and rock.
 Timber, scattering scrub cedar and pinon.
 Undergrowth, sagebrush and scattering juniper.
 Good grazing land.

N. $89^{\circ}52' E.$, on a random line bet. secs. 2 and 11.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

82.92 Intersect N. and S. line 14 lks. N. $0^{\circ}55' E.$ of the cor. of secs. 2 and 12.

Thence

S. $89^{\circ}58' W.$, on true line bet. secs. 2 and 12.

Over rolling hills through scattering scrub cedar and pinon timber and undergrowth of sagebrush.

2.74 Point for cor. of secs. 11 and 12, see line bet. secs.

11 and 12. Leave Dog Valley, bears N. and S.; ascend. Thence between Secs. 2 and 11

17.50 Spur, 180 ft. above sec. cor., projects S.; descend.

22.50 Draw, 80 ft. below spur, drains S. about 1 ch. then E.; Ascend abruptly E. slope.

32.20 Spur, 250 ft. above draw, projects S. about 5 chs.; gradually descend W. slope.

40.40 Draw, 80 ft. below spur, drains S. about 1 ch. thence SE.; ascend.

41.90 Rocky point; 15 ft. above draw, projects S. about 1 ch.; descend.

42.40 Main draw, 10 ft. below point, drains SE.; ascend.

42.92 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ —————
S2
S11
1919

from which

A cedar, 6 ins. diam., bears N. $45^{\circ} E.$, 162 lks.

dist., marked $\frac{1}{4}$ S 2'B T

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	A cedar, 12 ins. diam., bears S.92°W., 173 lks. dist., marked $\frac{1}{4}$ S 11 B T
46.60	Old road, bears NW. and SE.
62.80	Spur, 105 ft. above $\frac{1}{4}$ sec. cor., projects N.; leave timber bears N. and S. Gradually descend.
74.00	Draw, 55 ft. below spur, drains SW.; old road, bears NE. and SW.; gradually ascend.
82.92	The cor. of secs. 2, 3, 10 and 11. Land, high, rolling hills; general E. and W. exposure and drainage from spur at 62.80 chs. Soil, hard, dry clay and rocky; volcanic and limestone formation; sub-soil, hard, dry clay and rock. Timber, scrub cedar and pinon on eastern portion of mile. Undergrowth, sagebrush and scattering juniper and oak. Good grazing land.

Knowing that my line bet. secs. 2 and 3 will not close
within limits at the cor. of secs. 2, 3, 34 and 35 on
the N. bdy. of the tp., I run

North, on true line bet. secs. 2 and 3.

Over mountainous land through dense sage and juniper
undergrowth. A few scattering cedar trees on both sides
of line. Ascend abruptly S. slope of rocky ridge.

30.25 Ridge, 510 ft. above sec. cor., bears NE. and SW.; enter
dense cedar and pinon timber and mahogany undergrowth,
bears NE. and SW. Descend abruptly NW. slope.

40.00 On NW. slope in dense timber, 115 ft. below ridge.
Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in
the ground on solid rock and 6 ins. in a mound of
stone for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S3 | S2

1919

from which

A pinon, 8 ins. diam., bears S.52°10'E., 18 lks.

dist., marked $\frac{1}{4}$ S 2 B T

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	A cedar, 8 ins. diam., bears N. $73\frac{1}{2}$ °W., 42 lks. dist., marked $\frac{1}{4}$ S 3 B T
52.55	Draw, 90 ft. below $\frac{1}{4}$ sec. cor., drains W.; ascend S. and SW. slopes.
72.85	Ridge, 255 ft. above draw, bears E. and W.; descend abruptly N. slope 175 ft. to
79.11	Intersect N. bdy. of the tp. 4.15 chs. West of the cor. of secs. 2, 3, 34 and 35 heretofore described. Cor. of secs. 2 and 3 set at this point; see resurvey N. bdy. of this tp. for cor. description.
	Land, mountainous; general SW. exposure and drainage.
	Soil, shallow brown clay, limestone and volcanic rock; subsoil, hard, dry clay and rock.
	Timber, cedar and pinon.
	Undergrowth, sage, juniper and mahogany.
	Fair grazing land.
	From the standard cor. of secs. 33 and 34 on the S. bdy. of the tp. heretofore described.
	N. 0°01'W., bet. secs. 33 and 34.
	Over rolling hills strewn with lava rock, through scattering scrub cedar and pinon timber and undergrowth of sagebrush.
5.50	Head of small draw, 25 ft. below sec. cor., drains N. 20°E.; gradually ascend along E. slope.
8.10	Low lava rock reef, bears NE. and SW.; enter dense timber, bears NE. and SW.
19.10	Low spur, 25 ft. above draw, projects NE.; descend N. slope.
40.00	On N. slope in dense timber, 85 ft. below spur. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S33 | S34 1919 from which

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

A cedar, 12 ins. diam., bears S. $80\frac{1}{2}$ ° E., 26 lks.dist., marked $\frac{1}{2}$ S 34 B TA cedar, 14 ins. diam., bears N. $85^{\circ}55'W.$, 120 lks.dist., marked $\frac{1}{2}$ S 33 B T

44.10

Leave timber, bears E. and W.

77.80

Wash, 10 lks. wide, 2 ft. deep, 80 ft. below $\frac{1}{2}$ sec. cor.,
drains NW.

80.00

Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in
the ground on solid rock and 14 ins. in a mound of
stone for cor. of secs. 27, 28, 33 and 34, with brass
cap marked

T25S	R7W
S28	S27
S33	S34

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
cor.

Land, rolling hills; N. exposure and drainage.

Soil, brown clay loam and lava rock; sub-soil, light
brown friable clay and rocky.

Timber, cedar and pinon on S. portion of mile.

Undergrowth, dense sagebrush.

Fair grazing land.

East, on a random line bet. secs. 27 and 34.

40.00

Set temp. $\frac{1}{2}$ sec. cor.

80.05

Intersect the cor. of secs. 26, 27, 34 and 35.

Thence

West, on true line bet. secs. 27 and 34.

Over rolling lava rock hills sloping N., through dense
undergrowth of sagebrush.

40.02

Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in
the ground on solid rock and 10 ins. in a mound of
stone for $\frac{1}{2}$ sec. cor., with brass cap marked

S27	
$\frac{1}{2}$	S34

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
49.95	Low rocky spur, projects N.; gradually descend.
80.05	The cor. of secs. 27, 28, 33 and 34. Land, rolling lava rock hills; N. exposure and drainage. Soil, brown clay and lava rock; sub soil, hard, dry clay and rock.
	Timber, a few scattering cedar and pinon on both sides of line.
	Undergrowth, dense sagebrush.
	Fair grazing.
	N. 0° 01' W., bet. secs. 27 and 28.
	Over rolling hills, through dense undergrowth of sagebrush.
11.10	Low lava rock spur, projects NW.; gradually descend N. slope 75 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked S28 | S27
	1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
49.70	Wash, 10 lks. wide, 4 ft. deep, drains W. about 1 ch. and sinks into lava rock bed.
53.30	Point on low lava rock reef, 25 ft. above wash, bears NE. and SW.
60.00	Enter scattering scrub cedar and pinon timber, bears E. and W.
65.00	Low ridge, bears NE. and SW.
68.30	Enter dense cedar timber, bears E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 21, 22, 27 and 28, with brass cap marked
	T25S | R7W S21 | S22 S28 | S27 1919

from which

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
	A cedar, 8 ins. diam., bears N. $67\frac{1}{2}$ ° E., 51 lks. dist., marked T 25 S R 7 W S 22 B T
	A cedar, 10 ins. diam., bears S. 8° E., 142 lks. dist., marked T 25 S R 7 W S 27 B T
	A cedar, 9 ins. diam., bears S. 19° W., 114 lks. dist., marked T 25 S R 7 W S 28 B T
	A cedar, 8 ins. diam., bears N. $38\frac{3}{4}$ ° W., 112 lks. dist., marked T 25 S R 7 W S 21 B T
	Land, rolling hills; general N. exposure and W. drainage. Soil, brown clay and lava rock; sub-soil, hard, dry, friable clay and rock.
	Timber, cedar and pinon on N. portion of mile. Undergrowth, dense sagebrush. Fair grazing.
40.00	East, on a random line bet. secs. 22 and 27. Set temp. $\frac{1}{4}$ sec. cor.
80.11	Intersect N. and S. line 5 lks. N. of the cor. of secs. 22, 23, 26 and 27. Thence N. 89° 58' W., on true line bet. secs. 22 and 27. Over low rolling hills, through dense undergrowth of sagebrush.
20.10	Road, Cove Fort to Blackrock, Utah, bears NW. and SE.
27.70	Cove Creek Wash, 15 lks. wide, 4 ft. deep, drains NW.; gradually ascend.
30.10	Enter scattering cedar and pinon timber, bears NW. and SE.
40.05 $\frac{1}{2}$	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked S22 $\frac{1}{4}$ S27 1919 Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist. No suitable trees available.
61.60	Top of low lava rock reef, 50 ft. above wash, bears NE. and SW.; gradually descend W. slope.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

- 63.80 Enter dense timber, bears N. and S.
- 80.11 The cor. of secs. 21, 22, 27 and 28, 35 ft. below reef.
Land, rolling hills; S. and W. exposure and drainage.
Soil, brown, friable clay and rocky of volcanic formation;
sub-soil, hard, dry clay and rock.
- Timber, cedar and pinon on western portion of mile.
- Undergrowth, dense sagebrush.
- Fair grazing land.
-
- N. 0°01' W., bet. secs. 21 and 22.
- Over rolling hills through dense cedar and pinon timber
and undergrowth of sagebrush. Gradually ascend.
- 9.50 Low ridge, 10 ft. above cor., bears NW. and SE.; gradually
descend N. slope.
- 12.20 Leave dense and enter scattering timber, bears E. and W.
- 17.00 Old road, bears NE. and SW.
- 27.20 Leave timber, bears E. and W.
- 36.00 Cove Creek Wash, 20 lks. wide, 6 ft. deep, 50 ft. below
ridge, drains NW.; gradually ascend.
- 39.50 Road, Cove Fort to Blackrock, Utah, bears NW. and SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
the ground for sec. cor., with brass cap marked
- | | |
|-----|-----|
| S21 | S22 |
|-----|-----|
- 1919
- Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3ft. dist.
- 45.00 Enter scattering cedar timber, bears E. and W.
- 70.70 Wash, 10 lks. wide, 2 ft. deep, drains SW.
- 72.80 Enter dense cedar timber, bears E. and W.
- 76.50 Wash, 10 lks. wide, 2 ft. deep, drains SW.
- 80.00 In dense timber.
Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins.
in the ground for cor. of secs. 15, 16, 21 and 22, with
brass cap marked

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

T25S	R7W
S16	S15
S21 S22	
1919	

from which

A cedar, 6 ins.diam., bears N.40°E., 23 lks.

dist.,marked T 25 S R 7 W S 15 B T

A cedar, 10 ins.diam., bears S.19°50'E., 98 lks.
dist.,marked T 25 S R 7 W S 22 B T

A cedar, 6 ins.diam., bears S.20°W., 30 lks.

dist.,marked T 25 S R 7 W S 21 B T

A cedar, 8 ins.diam., bears N.57°50'W., 37 lks.

dist.,marked T 25 S R 7 W S 16 B T

Land, rolling; slopes and drains N. and S. to Cove Cr.
Wash.Soil, brown clay, streaked with lava rock; sub soil, dry
friable clay and rock.

Timber, cedar and pinon.

Undergrowth, sagebrush.

Good grazing land.

S.89°58'E., on a random line bet. secs. 15 and 22.

40.00 Set temp. $\frac{1}{4}$ sec. cor.80.10 Intersect N. and S. line 2 lks. N. of the cor. of secs.
14,15,22 and 23.

Thence

N.89°57'W., on true line bet. secs. 15 and 22.

Over mountainous land through scrub cedar and pinon
timber and undergrowth of sagebrush. Descend.6.60 Draw, 50 ft. below cor., drains S. about 2 chs., thence
SE.; ascend.

8.80 Spur, 30 ft. above draw, projects S. about 2 chs.; desc.

12.90 Draw, 20 ft. below spur, drains SE. ascend abruptly.

19.90 Spur, 80 ft. above draw, projects S.; descend.

20.90 Head of draw, 10 ft. below spur, drains S.; ascend.

32.20 Ridge, 115 ft. above head of draw, bears NE. and SW.;
descend abruptly W. slope 150 ft. to

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
40.05	Head of draw, drains NW. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked
	$\frac{1}{2}$ S15 $\frac{1}{2}$ S22 1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	No suitable trees available.
	Ascend.
41.40	Spur, 15 ft. above draw, projects NW.; descend.
61.80	Leave mountains and enter rolling land, 170 ft. below spur, bears NE. and S.
62.80	Old road, bears NE. and SW.
80.10	The cor. of secs. 15, 16, 21 and 22.
	Land, mountainous and rolling; general E. exposure and drainage.
	Soil, brown clay loam, gravelly and rocky of volcanic formation; sub soil, hard, dry clay and rock.
	Timber, cedar and pinon.
	Undergrowth, sagebrush.
	Good grazing land.
	<hr/>
	N. $0^{\circ}01'W.$, bet. secs. 15 and 16.
	Over rolling bench land sloping S., through dense cedar and pinon timber and undergrowth of sagebrush.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked
	$\frac{1}{2}$ S16 $\frac{1}{2}$ S15 1919
	from which
	A cedar, 12 ins. diam., bears S. $67\frac{1}{2}^{\circ}E.$, 34 lks. dist., marked $\frac{1}{2}$ S 15 B T
	A cedar, 8 ins. diam., bears S. $44\frac{1}{2}^{\circ}W.$, 36 lks. dist., marked $\frac{1}{2}$ S 16 B T
68.00	Leave dense and enter very scattering timber, bears E. and W.

SUBDIVISION OF T. 25 S., R. 7 W.

CHAINS	
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 9, 10, 15 and 16, with brass cap marked
	T25S | R7W S9 | S10 ----- S16 | S15 1919
	Dig pits, 18 x 18 x 12 ins., in each sec., $5\frac{1}{2}$ ft. dist. from cor.
	No suitable trees available.
	Land, rolling bench; S. exposure and drainage.
	Soil, brown clay loam; subsoil, dry clay and gravel.
	Timber, cedar and pinon.
	Undergrowth, sagebrush.
	Good grazing land.
40.00	S. $89^{\circ} 57' E.$, on a random line bet. secs. 10 and 15. Set temp. $\frac{1}{2}$ sec. cor.
79.96	Intersect N. and S. line 7 lks. N. of the cor. of secs. 10, 11, 14 and 15. Thence
	N. $89^{\circ} 54' W.$, on true line bet. secs. 10 and 15.
	Overrolling hills through cedar and pinon timber and undergrowth of sagebrush. Ascend over low point.
5.00	Shallow draw, drains NE.; ascend.
10.00	Low spur, projects N.; descend.
16.15	Draw, drains NW.; ascend.
25.35	Low spur, 35 ft. above draw, projects N.; descend 30 ft.
39.98	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked
	S10 ----- $\frac{1}{2}$ S15 1919
	from which
	A cedar, 12 ins. diam., bears N. $58^{\circ} E.$, 73 lks. dist., marked $\frac{1}{2}$ S 10 B T
	A cedar, 12 ins. diam., bears S. $67\frac{1}{2}^{\circ} W.$, 86 lks. dist., marked $\frac{1}{2}$ S 15 B T

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
51.00	Leave dense and enter very scattering timber, bears NE. and SW.
79.96	The cor. of secs. 9,10,15 and 16. Land, rolling; general NW. exposure and drainage. Soil, brown loam and gravelly; subsoil, dry clay. Timber, cedar and pinon. Undergrowth, dense sagebrush. Good grazing and farming land.
	N.0°01'W., bet. secs. 9 and 10.
	Over rolling land through scattering cedar and pinon timber and undergrowth of sagebrush.
38.10	Wash, 10 lks. wide, 2 ft. deep, drains SW.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S9 | S10
	1919
	from which
	A cedar, 8 ins. diam., bears N.68 $\frac{1}{4}$ °E., 144 lks. dist., marked $\frac{1}{4}$ S 10 B T
	A cedar, 8 ins. diam., bears N.61°50'W., 93 lks. dist., marked $\frac{1}{4}$ S 9 B T
42.00	Enter dense cedar and pinon timber, bears E. and W.
50.00	Begin ascent over S. slope, bears E. and W..
65.00	Spur, 85 ft. above $\frac{1}{4}$ sec. cor., bears W.; gradually descend NW. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 3,4,9 and 10, with brass cap marked
	T25S | R7W S4 | S3 S9 | S10
	1919
	from which
	A cedar, 10 ins. diam., bears N.59 $\frac{1}{4}$ °E., 111 lks. dist., marked T 25 S R 7 W S 3 B T

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	<p>A cedar, 12 ins. diam., bears S.$21^{\circ}25' E.$, 51 lks. dist., marked T 25 S R 7 W S. 10 B T</p> <p>A cedar, 8 ins. diam., bears S.$71^{\circ}40' W.$, 160 lks. dist., marked T 25 S R 7 W S. 9 B T</p> <p>A cedar, 14 ins. diam., bears N.$57\frac{1}{4}^{\circ} W.$, 60 lks. dist., marked T 25 S R 7 W S 4 B T</p> <p>Land, S$\frac{1}{2}$ gently rolling, N.$\frac{1}{2}$ hilly; general S. exposure and drainage.</p> <p>Soil, brown loam and gravelly; subsoil, dry clay.</p> <p>Volcanic formation.</p> <p>Timber, cedar and pinon, scattering on S.$\frac{1}{2}$ mile dense on N.$\frac{1}{2}$ mile.</p> <p>Undergrowth, sagebrush.</p> <p>Good farming and grazing land.</p>
40.00	S. $89^{\circ} 54' E.$, on a random line bet. secs. 3 and 10. Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line 2 lks. N. of the cor. of secs. 2,3,10 and 11. Thence N. $89^{\circ}53' W.$, on true line bet. secs. 3 and 10. Over mountainous land through scattering cedar and pinon timber and undergrowth of sagebrush and juniper. Ascend along broken S. slope.
31.70	Spur, projects S.; enter heavier timber, bears N. and S.
39.99	Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in the ground on solid rock and 16 ins. in a mound of stone for $\frac{1}{4}$ sec. cor. with brass cap marked $\frac{1}{4} S 3$ $\frac{1}{4} S 10$ from which 1919
	A cedar, 24 ins. diam., bears N. $55^{\circ} E.$, 29 lks. dist., marked $\frac{1}{4} S 3 B T$
	A pinon, 14 ins. diam., bears S. $56\frac{3}{4}^{\circ} W.$, 85 lks. dist., marked $\frac{1}{4} S 10 B T$
56.00	Spur, projects S. $80^{\circ} W.$; descend W. slope.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
65.00	Same spur, 70 ft. below last crossing, projects S.80°W.; continue descent 130 ft. to
79.98	The cor. of secs. 3,4,9 and 10. Land, mountainous; S. exposure and drainage. Soil, brown loam streaked with rock; limestone and volcanic formation. Timber, cedar and pinon. Undergrowth, sagebrush, juniper and mahogany. Good grazing land.
	North, on a random line bet. secs. 3 and 4.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.83	Intersect N. bdy. of the tp. 7 lks. E. of the cor. of secs. 3 and 4 heretofore described. Thence S.0°05'E., on true line bet. secs. 3 and 4. Over mountainous land through scattering cedar and pinon timber and undergrowth of sagebrush. Ascend broken NW. slope.
23.85	Spur, 75 ft. above cor., projects W.; descend along top of spur projecting S., 100 ft. to
38.83	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	S4 | S3
	1919
	from which
	A cedar, 14 ins. diam., bears S.25°20'E., 27 lks. dist., marked $\frac{1}{4}$ S 3 B T
	A cedar, 8 ins. diam., bears N.50°35'W., 91 lks. dist., marked $\frac{1}{4}$ S 4 B T
52.80	Leave spur, projects SW.; descend SE. slope.
63.80	Base of spur and enter large draw, bears NE. and SW.
67.00	Bottom of draw and wash, 10 lks. wide, 1 ft. deep, 100 ft. below $\frac{1}{4}$ sec. cor., drains S.20°W.
78.83	The cor. of secs. 3,4,9 and 10.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	<p>Land, mountainous; general S. exposure and drainage.</p> <p>Soil, shallow brown loam streaked with rock; volcanic and limestone formation; subsoil, dry clay and rock.</p> <p>Timber, cedar and pinon.</p> <p>Undergrowth, sagebrush.</p> <p>Fair grazing land.</p>
	<p>From the standard cor. of secs. 32 and 33 on the S. bdy. of the tp. heretofore described</p> <p>N.0°01'W., bet. secs. 32 and 33.</p> <p>Over rolling hills strewn with lava rock, through dense undergrowth of sagebrush.</p>
10.75	Enter scattering scrub cedar timber, bears E. and W.
20.00	Low, lava rock spur, 35 ft. above sec. cor., projects W.; gradually descend broken N. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S32 | S33
	1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No suitable trees are available.
68.90	Swale, 115 ft. below spur, drains SE.; ascend.
80.00	On low lava rock point, projects NE.; 15 ft. above swale. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 28,29,32 and 33, with brass cap marked.
	T25S | R7W S29 | S28
	S32 | S33
	1919
	from which
	A cedar, 8 ins. diam., bears S.10°W., 174 lks. dist., marked T 25 S R 7 W S 32 B T
	A cedar, 10 ins. diam., bears N.81°W., 12 lks. dist., marked T 25 S R 7 W S 29 B T

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
	No other trees available.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, rolling hills; N. exposure and drainage.
	Soil, brown clay loam and rocky of volcanic formation; sub soil, hard, dry clay and rock.
	Timber, cedar and pinon.
	Undergrowth, sagebrush.
	Fair grazing land.
	East, on a random line bet. secs. 28 and 33.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
79.95	Intersect the cor. of secs. 27,28,33 and 34.
	Thence
	West, on true line bet. secs. 28 and 33.
	Over rolling hills strewn with lava rock, through dense sagebrush and scattering cedar timber.
2.85	Wash, 10 lks. wide, 2 ft. deep, drains NW.; ascend.
21.35	Spur, 80 ft. above wash, projects N.; descend.
24.15	Swale, 30 ft. below spur, drains N.; ascend.
27.25	Enter dense cedar timber, bears N. and S.
29.15	Spur, 25 ft. above swale, projects N.; descend 40 ft. to
39.97 $\frac{1}{2}$	On NW. slope in dense cedar timber. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked
	S28 --- $\frac{1}{2}$ S33 1919
	from which
	A cedar, 18 ins. diam., bears N. $54^{\frac{1}{4}}$ E., 160 lks. dist., marked $\frac{1}{2}$ S 28 B T
	A cedar, 12 ins. diam., bears S. $54^{\frac{1}{4}}$ E., 80 lks. dist., marked $\frac{1}{2}$ S 33 B T
45.35	Draw, 30 ft. below $\frac{1}{2}$ sec. cor., drains N.; ascend.
53.35	Lava rock reef, 60 ft. above draw, bears N. and S.; gradually descend.
59.95	Leave dense timber, bears N. and S.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
69.95	Draw, 45 ft. below reef, drains NW. about 5 chs., thence N. Ascend 35 ft. to
79.95	The cor. of secs. 28, 29, 32 and 33. Land, rolling hills; general N. exposure and drainage. Soil, brown clay loam streaked with lava rock; subsoil, hard, dry clay and rock. Timber, cedar and pinon. Undergrowth, sagebrush. Fair grazing land.
	N. 0° 01' W., bet. secs. 28 and 29.
	Over rolling hills, through scattering cedar timber and undergrowth of sagebrush.
1.20	Main top lava rock point, projects NE. about 3 chs.; gradually descend general N. slope.
40.00	40 ft. below point. Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 6 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked
	S29 | S28 1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No suitable trees are available.
42.00	Leave timber, bears E. and W.
60.00	Leave hills and enter clay flat, bears E. and W.
61.00	Old road, bears NE. and SW.
80.00	On clay flat, 35 ft. below $\frac{1}{4}$ sec. cor. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 20, 21, 28 and 29, with brass cap marked
	T25S | R7W S20 | S21 S29 | S28 1919
	Dig pits, 18 x 18 x 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.

SUBDIVISION OF T25 S., R.7 W.

CHAINS	from cor.
	Land, S. portion of mile rolling hills, N. portion nearly level flat; general N. exposure and drainage.
	Soil, brown clay streaked with lava rock; volcanic formation; sub soil, hard, dry, friable clay and rock.
	Timber, cedar on S. part of mile.
	Undergrowth, sagebrush.
	Good grazing land.
	East, on a random line bet. secs. 21 and 28.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect N. and S. line at the corner of sections sec. 21, 22, 27 and 28.
	Thence
	West, on true line bet. secs. 21 and 28.
	Over rolling land through dense cedar timber and undergrowth of sagebrush. Gradually descend W. slope.
5.80	Leave dense timber, bears N. and S.
15.80	Leave scattering timber, bears N. and S.
32.20	Draw and wash, 20 lks. wide, 3 ft. deep, 35 ft. below sec. cor., drains SW.; old road in wash, bears NE. and SW.; gradually ascend.
39.90	On top of S. slope of low lava rock spur. Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked
	S21 $\frac{1}{4}$ S28 1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
54.80	Leave hills and enter nearly level clay flat, bears NW. and SE.
71.10	Small wash in flat, drains NW.
79.80	The cor. of secs. 20, 21, 28 and 29. Land, rolling hills on E. part and nearly level flat on W. part of mile; general W. exposure and NW. drainage.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS		
	Soil, brown loam, streaked with lava rock; subsoil, hard, dry, friable clay. Volcanic formation.	
	Timber, cedar on eastern part of mile.	
	Undergrowth, dense sagebrush.	
	Good grazing land.	
		N, 0°02'W., bet. secs. 20 and 21.
		Over nearly level flat draining NW., through dense sagebrush.
19.60	Small wash in flat, drains W.	
29.00	Leave flat and enter rolling hills strewn with lava rock, bears NE. and SW.	
36.80	Low, lava rock ridge, 35 ft. above sec. cor., bears NE. and SW.	
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked	
		S20 | S21
		1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.	
55.90	Cove Creek Wash, 20 lks. wide, 6 ft. deep, drains SW.	
57.30	Road, Cove Fort to Blackrock, Utah, bears NE. and SW.	
	Gradually ascend S. slope.	
64.20	Top of ascent, bears E. and W.; thence over rolling bench land.	
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 16, 17, 20 and 21, with brass cap marked	
		T25S | R7W S17 | S16
		S20 | S21
		1919
	Dig pits, 18 x 18 x 12 ins., in each sec., $5\frac{1}{2}$ ft. dist. from cor.	
	Land, rolling hills and bench land; general N. and S. exposure and drainage to Cove Creek Wash which drains W.	

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	Soil, brown clay loam, streaked with gravel and rock of volcanic formation; sub soil, dry clay and rock. No timber. Undergrowth, sagebrush. Good grazing and farming land.
40.00	East, on a random line bet. secs. 16 and 21. Set temp. $\frac{1}{2}$ sec. cor.
79.76	Intersect N. and S. line 19.1ks. N. of the cor. of secs. 15, 16, 21 and 22. Thence N. $89^{\circ}52'W.$, on true line bet. secs. 16 and 21. Over rolling bench land through dense cedar timber and undergrowth of sagebrush.
7.75	Leave timber, bears N. and SE.
8.25	Old road, bears N. and S.
39.88	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked $\begin{array}{c} \text{S16} \\ \hline \frac{1}{2} \text{ S21} \\ 1919 \end{array}$ Dig pits, 18 x 18 x 12 ins.; E. and W. of post, 3 ft. dist.
79.76	The cor. of secs. 16, 17, 20 and 21. Land, rolling bench, slopes and drains S. Soil, brown clay loam and gravelly; sub soil, dry clay. Volcanic formation. Timber, cedar and pinon on E. portion of mile. Undergrowth, dense sagebrush. Good farming land.
	N. $0^{\circ}02'W.$, bet. secs. 16 and 17. Over rolling land through dense sagebrush undergrowth.
30.00	Shallow draw and series of small washes, drains SW.; gradually ascend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

	$\frac{1}{2}$
S17	S16

1919

Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. distant.

- 65.00 Enter scattering cedar and pinon timber, bears NE. and SW.
- 75.00 Enter dense timber, bears NE. and SW.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 8,9,16 and 17, with brass cap marked

T25S	R7W
S8	S9
<hr/>	
S17	S16

1919

from which

A cedar, 8 ins. diam., bears N. $66^{\circ}55' E.$, 95 lks. dist., marked T 25 S R 7 W S 9 B T

A cedar, 8 ins. diam., bears S. $40\frac{1}{2}' E.$, 206 lks. dist., marked T 25 S R 7 W S 16 B T

A cedar, 10 ins. diam., bears S. $49^{\circ}08' W.$, 140 lks. dist., marked T 25 S R 7 W S 17 B T

A cedar, 10 ins. diam., bears N. $38\frac{1}{2}' W.$, 25 lks. dist., marked T 25 S R 7 W S 8 B T

Land, rolling; slopes and drains S.

Soil, brown clay loam and gravelly; subsoil, dry clay.

Timber, cedar and pinon on N. portion of mile.

Undergrowth, dense sagebrush.

Good farming land. Volcanic formation.

S. $89^{\circ}52' E.$, on a random line bet. secs. 9 and 16.40.00 Set temp. $\frac{1}{2}$ sec. cor.

79.82 Intersect N. and S. line 2 lks. S. of the cor. of secs. 9,10,15 and 16.

Thence

N. $89^{\circ}53' W.$, on true line bet. secs. 9 and 16.

Over rolling land through dense undergrowth of sagebrush.

24.90 The W. end of dense cedar timber bearing S. and E. bears S. about 10 chs. distant.

SUBDIVISION OF T.25 S., R.7 W.

377

CHAINS	
33.80	Series of small washes from draw to the NE.; drains S.
38.91	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked
	$\frac{1}{2}$ S9 S16 1919
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. distant.
44.80	The NW. cor. of an old grain field bearing S. and E., bears S. about 5 chn. distant.
54.80	Series of small washes from draw to the NW., drains SE.
64.80	Enter cedar and pinon timber, bears NE. and SW.; gradually ascend N. slope.
79.82	The cor. of secs. 8, 9, 16 and 17. Land, rolling; slopes and drains S. Soil, brown clay loam and gravelly; sub soil, dry clay. Timber, cedar and pinon on western portion of mts. Undergrowth, dense sagebrush. Good farming land. Volcanic formation.
	11.0°02'W., bet. sec. 8 and 9. over rolling hills sloping SE., through dense cedar and pinon timber and undergrowth of sagebrush.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked
	$\frac{1}{2}$ S8 | S9 1919
	from which A cedar, 10 ins. diam., bears N.02 $\frac{1}{2}$ E., 159 lkn. dist., marked $\frac{1}{2}$ S 9 B T A cedar, 10 ins. diam., bears N.86 $\frac{1}{2}$ W., 58 lkn. dist., marked $\frac{1}{2}$ S 8 B T
42.40	Draw, drains SE.; ascend S. slope of ridge.
51.20	Ridge, 140 ft. above draw, bears E. and W.; descend N. slope.
66.70	Draw, 130 ft. below ridge, drains N.80°E.; gradually asc.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS											
73.10	Wood road, bears NE. and SW.										
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 4,5,8 and 9, with brass cap marked										
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>T25S</td><td>R7W</td></tr> <tr> <td>S5</td><td>S4</td></tr> <tr> <td colspan="2"><hr/></td></tr> <tr> <td>S8</td><td>S9</td></tr> <tr> <td colspan="2">1919</td></tr> </table>	T25S	R7W	S5	S4	<hr/>		S8	S9	1919	
T25S	R7W										
S5	S4										
<hr/>											
S8	S9										
1919											
	from which										
	A cedar, 8 ins.diam.,bears N. $42\frac{1}{2}$ ^o E., 66 lks. dist.,marked T 25 S R 7 W S 4 B T										
	A cedar, 8 ins.diam.,bears S. $48^{\circ}20' E.$, 31 lks. dist.,marked T 25 S R 7 W S 9 B T										
	A cedar, 16 ins.diam.,bears S. $14\frac{1}{2}^{\circ} W.$, 26 lks. dist.,marked T 25 S R 7 W S 8 B T										
	A cedar, 12 ins.diam.,bears N. $51^{\circ}20' W.$, 54 lks. dist.,marked T 25 S R 7 W S 5 B T										
	Land, hilly and mountainous; general S.. exposure and drainage.										
	Soil, shallow brown loam streaked with limestone and volcanic rock; subsoil, hard, dry clay and rock.										
	Timber, cedar and pinon.										
	Undergrowth, sagebrush and juniper.										
	Fair grazing land.										
40.00	S. $89^{\circ}53' E.$, on a random line bet. secs. 4 and 9. Set temp. $\frac{1}{2}$ sec. cor.										
79.83	Intersect N. and S. line 7 lks. S. of the cor. of secs. 3,4,9 and 10. Thence /										
	N. $89^{\circ}56' W.$, on true line bet. secs. 4 and 9.										
	Over rolling hills; through cedar and pinon timber and undergrowth of sagebrush and juniper. Gradually descend.										
4.45	Draw and series of small washes, drain SW.; ascend.										
7.75	Low spur, projects S.; descend.										
17.95	Leave timber, bears NE. and SW.										

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
23.05	Shallow draw, drains S.; old road in draw, bears N.20°W. and S.20°E. Gradually ascend.
28.35	Enter dense cedar and pinon timber, bears NW. and SE.
37.85	Low point, projects N.; gradually descend.
39.91 $\frac{1}{2}$	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked S4 $\frac{1}{2}$ ————— S9 1919 from which
	A cedar, 8 ins. diam., bears S.31 $\frac{1}{2}$ °W., 106 lks. dist., marked $\frac{1}{2}$ S 9 B T
	A cedar, 10 ins. diam., bears N.29 $\frac{1}{2}$ °W., 63 lks. dist., marked $\frac{1}{2}$ S 4 B T
47.85	Leave dense timber, bears NE. and SW.
59.85	Shallow draw, drains NE.
66.10	Enter dense timber, bears NE. and SW.
74.95	Wood road, bears NE. and SW.
79.83	The cor. of secs. 4, 5, 8 and 9. Land, rolling hills; N. and S. exposures and general S. drainage. Soil, brown clay loam and gravelly; subsoil, hard, dry clay and rock. Timber, cedar and pinon. Undergrowth, sagebrush and scattering juniper. Good grazing land.
40.00	N.0°03'W., on a random line bet. secs. 4 and 5. Set temp. $\frac{1}{2}$ sec. cor.
78.78	Intersect N. bdy. of the tp. 22 lks. E. of the cor. of secs. 4 and 5 heretofore described. Thence S.0°13'E., on true line bet. secs. 4 and 5. Over rolling hills, through cedar and pinon timber and undergrowth of sagebrush and juniper. Gradually ascend general N. exposure.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
38.78	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S5 | S4 1919 from which A cedar, 12 ins. diam., bears N. $88\frac{1}{2}^{\circ}$ E., 47 lks. dist., marked $\frac{1}{4}$ S 4 B T A cedar, 12 ins. diam., bears S. $60\frac{1}{2}^{\circ}$ W., 107 lks. dist., marked $\frac{1}{4}$ S. 5 B T Begin steeper ascent over general N. slope.
29.05	Spur, projects N. 10° E.; gradually ascend.
52.05	Head of draw drains NE. at low spur, projecting NW.; ascend abruptly N. slope.
58.10	Ridge, 160 ft. above $\frac{1}{4}$ sec. cor., bears E. and W.; low saddle in ridge bears W. about 1 ch. distant. Descend S. and SE. slopes 115 ft. to
78.78	The cor. of secs. 4, 5, 8 and 9. Land, mountainous; general N. and S. exposures from ridge at 58.10 chs.; drainage W. Soil, shallow brown loam and rocky of limestone and volcanic formation; subsoil, hard, dry clay and rock. Timber, cedar and pinon. Undergrowth, sagebrush and juniper. Good grazing land.
	From the standard cor. of secs. 31 and 32, on the S. bdy. of the tp. heretofore described. N. $0^{\circ}02'W.$, bet. secs. 31 and 32. Over rolling hills strewn with lava rock through scattering cedar and pinon timber and undergrowth of sagebrush.
18.70	Draw, 20 ft. below sec. cor., drains NW.; gradually ascend.
22.90	Low lava rock reef, bears NW. and SE.
27.90	Spur, 55 ft. above draw, projects W.; gradually descend.
34.90	Draw, 20 ft. below spur, drains W.; ascend.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

40.00

Top of wide, flat spur, projects W.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	
S31	S32

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
cor.

No suitable trees are available.

58.00

Begin descent over rocky N. slope.

72.90

Leave timber, bears E. and W.

80.00

On open bench, 75 ft. below $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins.
in the ground for cor. of secs. 29, 30, 31 and 32, with
brass cap marked

T25S	R7W
S30	S29
S31	S32

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
cor.

Land, rolling hills; general N. exposure and drainage.

Soil, brown clay and lava rock; sub-soil, hard, dry,
friable clay and rock.

Timber, scattering cedar and pinon on S. part of mile.

Undergrowth, dense sagebrush.

Fair grazing land.

S. $89^{\circ}56'$ E., on a random line bet. secs. 29 and 32.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

80.16

Intersect N. and S. line 5 lks. N. of the cor. of secs.
28, 29, 32 and 33.

Thence

N. $89^{\circ}54'$ W., on true line bet. secs. 29 and 32.

Over rolling hills strewn with lava rock, through scrub
cedar and pinon timber and undergrowth of sagebrush.

Gradually ascend.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

- 4.60 Low spur, 15 ft. above cor., projects NE.; gradually descend.
- 6.60 Leave dense timber, bears N. and S.
- 16.50 Shallow draw, 10 ft. below spur, drains N.; ascend.
- 25.80 Low ridge, bears NW. and SE., 15 ft. above draw.; descend.
- 38.10 Draw, 60 ft. below ridge, drains N. 10° W.; ascend.
- 40.08 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked
 $\frac{1}{4}$ S29
 $\frac{1}{2}$ S32
1919
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- No suitable trees are available.
- 45.00 Top of ascent, bears N. and S.; leave all timber. Thence over rolling bench sloping N.
- 80.16 The cor. of secs. 29, 30, 31 and 32.
Land, rolling hills; N. exposure and drainage.
Soil, brown clay loam and rocky of volcanic formation;
subsoil, hard, dry, friable clay and rock.
Timber, cedar and pinon on east part of mile.
Undergrowth, dense sagebrush.
Fair grazing land.
-
- N. $89^{\circ}56'W.$, on a random line bet. secs. 30 and 31.
40.00 Set temp. $\frac{1}{2}$ sec. cor.
- 83.47 Intersect W. bdry. of the tp. 2 lks. S. of the cor. of secs. 30 and 31 heretofore described.
Thence
S. $89^{\circ}55'E.$, on true line bet. secs. 30 and 31.
Over hilly land through dense undergrowth of sagebrush.
Gradually ascend over W. slope.
- 28.80 Ridge, 50 ft. above cor., bears NE. and SW.; descend.
- 43.47 On E. slope.
Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

	S30
$\frac{1}{4}$	S31
	1919

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 47.70 Draw, 55 ft. below ridge, drains S.; ascend.
- 51.20 Rocky spur, 45 ft. above draw, projects S. about 10 chs.; descend.
- 60.20 Draw, 45 ft. below spur, drains SW.; old road, bears NE. and SW.; ascend.
- 83.47 The cor. of secs. 29,30,31 and 32.
Land, rolling hills; general S. exposure and drainage.
Soil, brown clay loam, gravelly and rocky of volcanic formation; sub-soil, hard, dry, friable clay and rock.
No timber.
Undergrowth, dense sagebrush.

N. 0°02' W., bet. secs. 29 and 30.

Over rolling land strewn with lava rock, through dense undergrowth of sagebrush.

- 10.30 Old road, bears NE. and SW.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S30	S29
-----	-----

1919

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 50.00 Head of draw, 30 ft. below $\frac{1}{4}$ sec. cor., drains NE. about 5 chs. thence NW.; ascend.
- 57.20 Rocky spur, projects NE.; descend N. slope.
- 77.20 Large draw, 50 ft. below spur, drains NW.; ascend.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 19,20,29 and 30, with brass cap marked

SUBDIVISION OF T. 25 S., R. 7 W.

CHAINS

T25S	R7W
S19	S20
<hr/>	
S30	S29
1919	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling hills; N. exposure and drainage.

Soil, brown clay and rocky of volcanic formation; sub-soil, hard, dry, friable clay and rock.

No timber.

Undergrowth, dense sagebrush.

Fair grazing land.

S.89°54' E., on a random line bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.30 Intersect N. and S. line 11 lks. N. of the cor. of secs. 20, 21, 28 and 29.

Thence

N.89°49' W., on true line bet. secs. 20 and 29.

Over rolling hills, through dense undergrowth of sagebrush.

9.40 Small wash, drains N.; gradually ascend.

14.30 Low ridge covered with lava rock, bears NE. and SW.

40.15 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S20	
<hr/>	
$\frac{1}{4}$	S29
1919	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

69.45 Lava rock reef, bears N. and S.; descend SW. slope 75 ft.

80.30 The cor. of secs. 19, 20, 29 and 30.

Land, rolling hills and bench; S. exposure and drainage.

Soil, brown clay loam and rocky of volcanic formation; sub-soil, hard, dry, clay and rock.

No timber.

Undergrowth, dense sagebrush.

Fair grazing land.

SUBDIVISION OF T.2S S., R.7 W.

CHAINS	N. $89^{\circ}55'W.$, on a random line bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
83.20	Intersect N. bdy. of the sp. at the cor. of secs. 19 and 30 heretofore described.
	Thence
	S. $89^{\circ}55'W.$, on true line bet. secs. 19 and 30.
	Over rolling hills through dense undergrowth of sagebrush.
16.00	Lava rock reef, bears NW. and SW.; descend.
28.70	Wash, 10 lks. wide, 2 ft. deep, drains N., 75 ft. below brink. Thence along S. side of bottom of large draw draining NW.
43.20	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked
	<u>S19</u> <u>S30</u> 1919
	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
55.60	Wash, 10 lks. wide, 2 ft. deep, drains N.
78.40	Bottom of main draw, drains NW.; gradually ascend.
83.20	The cor. of secs. 19, 20, 29 and 30. Land, rolling hills; N. exposure and drainage. Soil, brown clay streaked with lava rock; sub-soil, hard dry clay and rock. No timber. Undergrowth, dense sagebrush. Good grazing land.
	N. $0^{\circ}03'W.$, bet. secs. 19 and 20.
	Over hilly land through dense undergrowth of sagebrush. Ascend S. face of lava rock reef.
9.40	Top of reef and point, 90 ft. above sec. cor., bears E. and W.; thence over rolling rocky bench.
14.40	Enter scattering cedar timber, bears N. and W.
18.40	Low spur, 25 ft. above top of reef, projects W.; gradually descend N. slope.
24.40	Wash, 10 lks. wide, 2 ft. deep, drains SW.; ascend.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

40.00 On S. slope at foot of lava rock reef; 60 ft. above wash.
Set an iron post, 3 ft. long, 1 in. in dia., 26 ins.
in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	
S19	S20

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
cor.

No suitable trees are available.

42.30 S. brink of lava rock reef and edge of ridge, bears
E. and W.

47.30 Main top of ridge, 35 ft. above $\frac{1}{4}$ sec. cor., bears E.
and W.; descend over N. slope.

58.90 N. brink of ridge and lava rock reef, bears E. and W.;
leave timber, bears with ridge. Descend abruptly over
N. slope.

63.90 Cove Creek Wash, 20 lks. wide, 5 ft. deep, in large draw,
120 ft. below reef, drains W.; thence in draw.

71.10 Road, Cove Fort to Blackrock, Utah, bears E. and W.

78.50 Leave draw, bears E. and W.; enter scattering scrub
cedar timber, bears E. and W.; ascend abruptly 65 ft. to

80.00 Near top of N. brink of draw.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins.
in the ground for cor. of secs. 17, 18, 19 and 20, with
brass cap marked

T25S	R7W
S18	S17
<hr/>	
S19	S20

1919

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
cor.

No suitable trees are available.

Land, high, broken hills; general N. exposure and West
drainage.

Soil, brown clay loam and lava rock; subsoil, dry, friable
clay and rock.

Timber, scattering cedar and pinon.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
	Undergrowth, sagebrush.
	Good grazing land.
	S.89°49'E., on a random line bet. secs. 17 and 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.25	Intersect N. and S. line 16 lks. S. of the cor. of secs. 16,17,20 and 21. Thence
	N.89°56'W., on true line bet. secs. 17 and 20.
	Gradually ascend over rolling land through dense under-growth of sagebrush.
24.25	Enter scrub cedar and pinon timber, bears N. and S..
27.65	Low ridge, bears N. and S.; gradually descend.
35.25	Leave timber, bears N. and S.
40.12 $\frac{1}{2}$	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked <u>SL7</u> <u>$\frac{1}{4}$ S20</u> 1919
	Dig pits, 18 x 18 x 12 ins., E.. and W. of post, 3 ft. distant.
	No suitable trees are available.
45.25	Enter large nearly level draw, bears N. and S..
46.80	Wash, 10 lks. wide, 3 ft. deep, 50 ft. below ridge, drains SW..
70.25	Leave draw and enter hills and scrub cedar and pinon timber, bears NE. and SW.; ascend.
76.75	Point, 35 ft. above draw, projects SW. about 2 chs.; descend.
78.45	Draw, 35 ft. below point, drains S.30°W.; ascend 30 ft.
80.25	The cor. of secs. 17,18,19 and 20 Land, rolling hills and nearly level flat; S. exposure and westerly drainage. Soil, brown clay loam and gravelly of volcanic formation; sub-soil, dry clay and gravel.
	Timber, scrub cedar and pinon.
	Undergrowth, sagebrush.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
	Good grazing land.
	N. $89^{\circ}55'W.$, on a random line bet. secs. 18 and 19
40.00	Set temp. $\frac{1}{4}$ sec. cor.
83.18	Intersect W. bdy. of the tp. 17 lks. N. of the cor. of secs. 18 and 19 heretofore described.
	Thence
	N. $89^{\circ}58'E.$, on true line bet. secs. 18 and 19.
	Over rolling hills, through cedar and pinon timber and undergrowth of sagebrush.
17.40	Shallow draw, drains S.
34.00	Wash, 10 lks. wide, 2 ft. deep, drains S. $20^{\circ}W.$
43.18	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	<u>S18</u> $\frac{1}{4}$ <u>S19</u> 1919
	from which
	A cedar, 6 ins. diam., bears S. $43^{\circ}E.$, 72 lks.
	dist., marked $\frac{1}{4}$ S 19 B T
	A cedar, 10 ins. diam., bears N. $47^{\circ}W.$, 149 lks.
	dist., marked $\frac{1}{4}$ S 18 B T
46.85	Shallow draw, drains S.
61.00	Low spur, projects SW. about 8 chs.; descend.
65.00	Draw, 30 ft. below spur, drains SW.; ascend.
80.00	Spur, projects SW.; descend 15 ft. to
83.18	The cor. of secs. 17, 18, 19 and 20.
	Land, rolling hills; S. exposure and drainage.
	Soil, brown clay loam streaked with limestone and volcanic rock; subsoil, clay and rock.
	Timber, scrub cedar and pinon.
	Undergrowth, sagebrush.
	Good grazing land.
	N. $0^{\circ}03'W.$, bet. secs. 17 and 18.
	Over rolling hills, through dense cedar and pinon timber and undergrowth of sagebrush. Ascend.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

- 4.40 Spur, 35 ft. above sec. cor., projects SW.; gradually descend.
- 12.10 Draw, drains SW.; gradually ascend 50 ft. to
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for 1/2 sec. cor., with brass cap marked

S18 | S17

1919

from which

A cedar, 8 ins.diam., bears N.21 $\frac{1}{2}$ E., 26 lks.
dist.,marked $\frac{1}{2}$ S 17 B T

A cedar, 8 ins.diam., bears S.26 $^{\circ}25'W.$, 60 lks.
dist.,marked $\frac{1}{2}$ S 18 B T

80.00 In dense cedar timber.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 7,8,17 and 18, with brass cap marked

T25S	R7W
S7	S8

S18	S17

 1919

from which

A cedar, 10 ins.diam., bears N.26 $^{\circ}25'E.$, 72 lks.
dist.,marked T 25 S R 7 W S 8 B T

A cedar, 10 ins.diam., bears S.43 $\frac{1}{2}$ E., 139 lks.
dist.,marked T 25 S R 7 W S 17 B T

A cedar, 8 ins.diam., bears S.42 $^{\circ}50'W.$, 22 lks.
dist.,marked T 25 S R 7 W S 18 B T

A cedar, 12 ins.diam., bears N.25 $\frac{1}{2}$ W., 39 lks.
dist.,marked T 25 S R 7 W S 7 B T

Land, rolling; S. exposure and drainage.

Soil, brown clay loam and gravelly; sub soil, hard, dry, friable clay and rock. Volcanic formation.

Timber, scattering cedar on S. $\frac{1}{2}$ mile dense on northern portion of mile.

Undergrowth, sagebrush.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
	Good grazing land.
	S.89°56'E., on a random line bet. secs. 8 and 17.
40.00	Set temp. $\frac{1}{2}$ sec. cor.
80.25	Intersect N. and S. line 2 lks. S. of the cor. of secs. 8,9,16 and 17.
	Thence
	N.89°57'W., on true line bet. secs. 8 and 17.
	Over rolling hills through cedar and pinon timber and undergrowth of sagebrush.
13.85	Wash, 25 lks. wide, 2 ft. deep, drains SE.; ascend.
23.25	Spur, 50 ft. above wash, projects S.; gradually descend.
28.30	Wash, 25 lks. wide, 2 ft. deep, in shallow draw, drains S.
34.40	Wash, 10 lks. wide, 3 ft. deep, drains S.
40.12 $\frac{1}{2}$	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked
	S8 $\frac{1}{2}$ S17 1919
	from which
	A cedar, 6 ins. diam., bears N.64 $\frac{1}{2}$ E., 97 lks. dist., marked $\frac{1}{4}$ S 8 B T
	A cedar, 12 ins. diam., bears S.31°40'W., 105 lks. dist., marked $\frac{1}{4}$ S 17 B T
49.20	Wash, 10 lks. wide, 2 ft. deep, drains S.20°E.; ascend.
53.25	High spur, and top of ascent, projects S.; descend.
57.25	Wash, 10 lks. wide, 3 ft. deep, 40 ft. below spur, drains S.
58.20	Wash, 10 lks. wide, 3 ft. deep, drains S.
68.25	Low spur, projects SW.; descend 40 ft. to
80.25	The cor. of secs. 7,8,17 and 18.
	Land, rolling hills; S. exposure and drainage.
	Soil, shallow brown loam, gravelly and rocky of limestone and volcanic formation; sub-soil, hard, dry clay and rock.
	Timber, cedar and pinon.
	Undergrowth, sagebrush.

SUBDIVISION OF T. 25 S., R. 7 W.

CHAINS	Good grazing land.
	S.89°58'W., on a random line bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
83.19	Intersect W. bdy. of the tp. 5 lks. N. of the cor. of secs. 7 and 18 heretofore described.
	Thence
	N.89°56'E., on true line bet. secs. 7 and 18.
	Over low rolling hills draining S., through cedar and pinon timber and undergrowth of sagebrush.
4.50	Shallow draw and series of small washes, drains S.30°W.
28.50	Shallow draw, drains S.30°W.
43.19	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	<u>S7</u> $\frac{1}{4}$ <u>S18</u> 1919.
	from which
	A cedar, 10 ins. diam., bears S.28 $\frac{1}{4}$ E., 31 lks. dist., marked $\frac{1}{4}$ S 18 B T
	A cedar, 8 ins. diam., bears N.11 $\frac{1}{4}$ W., 174 lks. dist., marked $\frac{1}{4}$ S 7 B T
	Begin gradual ascent SW. slope.
68.00	Spur, 60 ft. above $\frac{1}{4}$ sec. cor., projects S.; descend.
77.10	Wash, 10 lks. wide, 1 ft. deep, 35 ft. below spur, drains S.
83.19	The cor. of secs. 7, 8, 17 and 18. Land, rolling hills; S. exposure and drainage. Soil, brown clay loam and gravel; sub-soil, hard, dry, friable clay and rock. Volcanic formation. Timber, cedar and pinon. Undergrowth, dense sagebrush. Good grazing land.
	N.0°03'W., bet. secs. 7 and 8. Over mountainous land through dense cedar and pinon timber and undergrowth of sagebrush. Ascend S. slope.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
7.25	Spur, 60 ft. above sec. cor., projects SW.; descend.
9.20	Shallow draw, drains SW.; ascend.
16.00	Spur, projects SW.; descend.
18.10	Draw, drains SW. and heads 5 chs. NE.; ascend S. slope and enter juniper undergrowth, bears E. and W.
24.00	Ridge, 150 ft. above draw at 9.20 chs., bears E. and W.; peak on ridge bears E. about 20 chs. distant.; descend.
34.20	Draw, 160 ft. below ridge, drains NW.; gradually ascend.
40.00	Spur, projects NW. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S7	S8
----	----

1919

from which

A cedar, 10 ins. diam., bears N.62°E., 36 lks.

dist., marked $\frac{1}{4}$ S 8 B T

A cedar, 12 ins. diam., bears N.62°40'W., 35 lks.

dist., marked $\frac{1}{4}$ S 7 B T

Descend.

47.00 Draw, 60 ft. below $\frac{1}{4}$ sec. cor., drains W.; wood road, bears E. and W.; ascend along SW. slope of spur projecting S.

64.70 High spur, 200 ft. above draw, projects W.; descend abruptly N. slope 215 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 5,6,7 and 8, with brass cap marked

T25S	R7W
.S6	S5
S7	S8

1919

from which

A cedar, 18 ins. diam., bears N.8°E., 73 lks.

dist., marked T 25 S R 7 W S 5 B T

A cedar, 10 ins. diam., bears S.68°E., 40 lks.

dist., marked T 25 S R 7 W S 8 B T

SUBDIVISION OF T. 25 S., R. 7 W.

CHAINS	A cedar, 10 ins. diam., bears S. $60^{\circ}10'W.$, 104 lks. dist., marked T 25 S R 7 W S 7 B T A cedar, 10 ins. diam., bears N. $67\frac{1}{2}^{\circ}W.$, 178 lks. dist., marked T 25 S R 7 W S 6 B T Land, mountainous; SW. exposure and drainage. Soil, brown clay loam, gravelly and rocky of limestone and volcanic formation; sub soil, clay and rock. Timber, cedar and pinon. Undergrowth, sagebrush and juniper. Fair grazing land.
	S. $89^{\circ}57'E.$, on a random line bet. secs. 5 and 8.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect N. and S. line 2 lks. S. of the cor. of secs. 4, 5, 8 and 9. Thence
	N. $89^{\circ}58'W.$, on true line bet. secs. 5 and 8. Over mountainous land through dense cedar and pinon timber and undergrowth of sagebrush. Ascend general E. slope.
23.70	Ridge, 100 ft. above sec. cor., bears N. and S. The head of a draw draining W., bears S. 5 chs. Thence along broken S. slope ascending and descending.
32.00	Begin descent over SW. slope.
40.10	On SW. slope. Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked
	S6 S8 1919
	from which
	A cedar, 12 ins. diam., bears S. $11\frac{1}{2}^{\circ}W.$, 15 lks. dist., marked $\frac{1}{4}$ S 8 B T A pinon, 12 ins. diam., bears N. $28\frac{1}{2}^{\circ}W.$, 87 lks. dist., marked $\frac{1}{4}$ S 5 B T
41.40	Shallow draw, 100 ft. below ridge, drains S.; ascend.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS	
44.00	Spur, projects SW.; descend.
59.60	Draw, 130 ft. below spur, drains NW.; gradually ascend NE. slope through dense timber.
71.70	Spur, 50 above draw, projects N.; gradually descend 35 ft.
80.20	The cor. of secs. 5, 6, 7 and 8. Land, mountainous; general S. exposure and drainage. Soil, shallow brown loam and rocky of volcanic formation; subsoil, clay and rock. Timber, cedar and pinon. Undergrowth, sagebrush and scattering juniper. Good grazing land.
	S.89°56'W., on a random line bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
83.09	Intersect W. bdy. of the tp. 9 lks. S. of the cor. of secs. 6 and 7 heretofore described. Thence
	East, on true line bet. secs. 6 and 7. Over hilly land through dense cedar and pinon timber and undergrowth of sagebrush. Gradually ascend general W. slope.
40.10	Leave dense and enter scattering timber, bears N. and S.
43.09	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	<u>S6</u> $\frac{1}{4}$ — <u>S7</u> 1920
	from which
	A cedar, 18 ins. diam., bears N.86°E., 214 lks. dist., marked $\frac{1}{4}$ S 6 B T
	A cedar, 12 ins. diam., bears S.61 $\frac{1}{2}$ °W., 178 lks. dist., marked $\frac{1}{4}$ S 7 B T
45.30	Low spur, projects S.; gradually descend.
57.90	Head of shallow draw, drains S.; ascend.
59.10	Spur, projects SE.; descend.
70.35	Bottom of draw and small wash, 100 ft. below spur, drains SW. about 8 chs., thence W.; ascend.

SUBDIVISION OF T.25 S., R.7 W.

CHAINS

- 70.55 Wood road, bears N. 20° E. and S. 20° W.
- 83.09 The cor. of secs. 5,6,7 and 8.
Land, rolling mountainous; S. exposure and drainage.
Soil, brown clay loam and rocky of volcanic formation;
sub soil, clay and rock.
Timber, cedar and pinon.
Undergrowth, sagebrush and scattering juniper.
Good grazing land.
-
- N. $0^{\circ}13'W.$, on a random line bet. secs. 5 and 6.
- 40.00 Set temp. of sec. cor.
- 78.58 Intersect N. bdy. of the tp. 35 lks. W. of the cor. of
secs. 5 and 6 heretofore described.
Thence
S. $0^{\circ}02'W.$, on true line bet. secs. 5 and 6.
Over rolling mountainous land through scattering cedar
and pinon timber and undergrowth of sagebrush. Descend
SW. slope of ridge.
- 6.60 Leave timber, bears NW. and SE.
- 18.60 Foot of ridge, thence over rolling land, bears NW. and SE.
- 38.58 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in
the ground for 1. sec. cor., with brass cap marked
S6 | S5
1920
Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft.
distant.
- 51.50 Wood road, bears NE.. and SE.
- 52.30 Wide draw and shallow wash, drains SW.
- 65.60 Enter scattering cedar and pinon timber, bears NE.. and SW.;
begin gradual ascent N. slope.
- 78.58 The cor. of secs. 5,6,7 and 8.
Land, mountainous and rolling; S. exposure and drainage.
Soil, brown clay and rocky of volcanic formation; subsoil,
hard, dry, friable clay and rock.
Timber, cedar and pinon on N. and S. parts of mile.
Undergrowth, sagebrush.

BOUNDARIES OF T.25 S., R.7 W.

Good grazing land.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Lines Designated	True bearings	Distances	Latitudes		Departures	
			N	S	E	W
W.bdy.T25SR7W	N.4°40'W.	cns.	chs.	chs.	chs.	chs.
"	N.0°05'E.	41.61	41.47	.....	.....	3.38
"	N.0°12'E.	40.33	40.33	.....	06	.....
"	N.0°02'E.	40.38	40.38	.....	14	.....
"	N.0°08'W.	40.28	40.28	.....	02	.....
"	N.0°08'E.	40.54	40.54	.....	09	.....
"	N.0°02'W.	40.20	40.20	.....	09	.....
"	N.0°06'E.	80.52	80.52	.....	05	.....
"	N.0°03'W.	80.53	80.53	.....	14	.....
"	N.0°03'E.	40.27	40.27	.....	04	.....
"	East	33.94	33.94	.....	03	.....
H.bdy.T25SR7W	S.0°55'W.	406.96	.....	406.96	.....	.....
W.bdy.sec.1	S.0°55'W.	80.17	80.17	.....	1.28	.....
S.bdy.sec.1	N.89°30'E.	39.93	35	.....	39.93	.....
E.bdy.T25SR7W	S.89°11'E.	40.23	.....	.57	40.23	.....
"	S.0°34'W.	156.12	.....	156.12	.....	1.56
"	S.0°13'W.	40.22	.....	40.22	.....	.15
S.bdy.sec.24	S.0°29'W.	40.47	.....	40.47	.....	.34
W.bdy.sec.25	N.89°58'W.	81.00	.05	.....	81.00	.....
"	S.0°14'W.	40.20	.....	40.20	.....	.16
W.bdy.sec.36	S.0°34'W.	40.26	.....	40.26	.....	.40
S.bdy.T25SR7W	S.0°19'E.	81.08	.....	81.08	.46	.....
"	N.89°57'W.	40.06	.03	.....	40.06	.....
"	S.89°46'W.	40.02	.....	.16	.....	40.02
"	S.89°53'W.	40.07	.....	.08	.....	40.07
"	N.89°54'W.	40.05	.07	.....	40.05	.....
"	West	80.02	.....	.....	80.02	.....
"	N.89°57'W.	40.10	.03	.....	40.10	.....
"	N.89°55'W.	40.06	.06	.....	40.06	.....
"	S.89°55'W.	40.09	.....	.06	.....	40.09
Convergency	N.89°46'W.	39.99	.16	.....	.54	.....
		Totals	479.21	479.39	488.60	488.91
		Error in latitude	.....	479.21	.18	488.60
		Error in departure	.....	.....	.....	.31

GENERAL DESCRIPTION.

This township contains nearly every variety of land from gently rolling valleys to rough mountains. The small valleys scattered throughout the township comprise the large open areas of the draws especially in the northern part of the township; the rough mountainous land is found on the greater part of the north-eastern quarter of the township. The southern, western and central parts of the township are low rolling hills. The township has a general N. exposure on the South half and south exposure on the north half and is drained in a westerly direction by Cove Creek wash which enters the township in sec. 35 and leaves in sec. 19.

The soil of the valleys is a brown, friable clay loam with gravel on surface and lies on a clay subsoil which is hard and dry. This soil is capable of producing crops without irrigation. The soil of the hills and especially in the south half of the township is also a brown clay but contains much black lava rock which is strewn on the surface. The soil of the mountains and the north half of the township resembles that of the south part with the exception that the vast quantities of surface lava rock do not appear.

The mountains are covered with a dense growth of cedar and pinon while on the hills only a scattered growth is found. The township in general is covered with a dense undergrowth of sagebrush about $2\frac{1}{2}$ ft. high. With the sagebrush is found an abundant growth of rich bunch grass which affords excellent range feed for sheep and cattle.

We did not find any indications of mineral in the township. There is no water in the township.

There are no settlers living in that part of the township surveyed by us.

A part of the NE $\frac{1}{4}$ of sec. 16 has at one time been cultivated and indications are that a good crop of

rye was raised. It is possible that a considerable area of the gently rolling land in the large draws can be cultivated and crops produced without irrigation. The township in general is best adapted for grazing of sheep and cattle during the winter and spring months.

No magnetic declination was taken in the township on account of local attraction.

Howard W. Miller
U.S. Cadastral Engineer.

Walter B. Fergo
U. S. Transitman.

4-680

BOOK A-446

FIELD ASSISTANTS.

CERTIFICATE OF UNITED STATES SURVEYOR.

CADASTRAL ENGINEER AND TRANSITMAN.

Howard W. Miller, U. S. Cadastral EngineerWalter Byergo, U. S. Transitman

We, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah,

bearing date of the 29th day of August, 1918, we have well, faithfully, and truly

our in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Resurvey of the west, north and east boundaries, resurvey of the 5th. Standard Parallel South, R. 7 W., resurvey of the subdivision and survey of the subdivis

of T. 25 S., R. 7 W.

of the Salt Lake Base a

and Meridian, in the State of Utah, which are represented in and date diagram on dates as shown on said diagram, the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah.

and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Howard W. Miller
U. S. Cadastral Engineer
Walter Byergo
U. S. Transitman U. S. Surveyor

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 29, 1918

The foregoing field notes of the survey of resurvey of the west, north and east boundaries; resurvey and survey of the subdivisional lines of Township No. 25 South, Range No. 7 West of the Salt Lake Base and Meridian; and the resurvey of the Fifth Standard Parallel South, through Range No. 7 West of the Salt Lake Base and Meridian, Utah,

executed by Howard W. Miller and Walter Byergo

under his special instructions dated August 29, 1918, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys and resurveys they describe, are hereby approved.

J. O. Shores
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in

, has been correctly copied from the original notes on file in this office.